



# **Academic Program and Course Description Guide**

2024

University Name: **Northern Technical University**

Faculty/Institute: **Al-Dour Technical Institute**

Scientific Department: **Immediate Ambulance**

Academic or Professional Program Name: **Technical Diploma in Immediate Ambulance**

Final Certificate Name: **Technical Diploma in Immediate Ambulance**

Academic System: **Course system**

Description Preparation Date: **15-9-2024**

File Completion Date: **16-9-2024**

Signature:



Head of Department Name:

**Dr. Abbas Hadi Hammadi**

Date:

Signature:



Scientific Associate Name:

**Prof. Dr. Hanan Shihab Ahmed**

Date:

The file is checked by:

**Department of Quality Assurance and University Performance**

**Director of the Quality Assurance and University Performance Department: Haider Ali Mohsen**

Date:

Signature:



**Approval of the Dean**

**Asst. Prof. Maha Al-Tayef Jassim**

### 1. Program vision

The Immediate Ambulance Department seeks to achieve excellence in education and scientific research, meet the requirements of society, and access the latest scientific and technical developments and apply them in a way that allows for the improvement of the quality of learning in all fields. The student is taught the basic theoretical information in the field of emergency and intensive care, and is trained on simulation dolls in the department as well as practically in operating rooms, recovery units, and intensive care units in hospitals to acquire the necessary skills and experience that qualify him to work in hospitals in the future as a paramedic.

### 2. Program message

Delivering the scientific material that the student must receive according to the instructions mentioned in the special skills clause in r ,equired educational outcomes and methods of teaching learning and assessment.

### 3. Program Goals

The department aims to graduate technical nursing staff with a specialization in medical technical paramedic, who hold a diploma and are capable of providing immediate and first aid and nursing care to individuals in emergency and critical cases inside the immediate ambulance until they reach the hospital.

### 4. Program accreditation

nothing

### 5. External influences

The Iraqi Ministry of Health provides guaranteed training opportunities for students in the Emergency Medical Services Department at its headquarters, hospitals, and various health centers through diverse training programs tailored to the students' specializations. Emergency Medical Services graduates are given priority for employment at the ministry's various hospitals and health centers.

| ٦. Program Structure    |                   |            |            |                                 |
|-------------------------|-------------------|------------|------------|---------------------------------|
| Program Structure       | Number of courses | Study unit | Percentage | Notes *                         |
| University Requirements | ١٠                | ٢٠         | ٢١,٥٠      | core courses ٩ and ١ elective   |
| Institute Requirements  | ٥                 | ١٤         | ١٥,٠٥      | core courses ٥                  |
| Department Requirements | ١٧                | ٥٩         | ٦٣,٤٤      | core courses ١٥ and electives ٢ |
| Summer training         | <b>Completed</b>  |            |            | essential                       |
| Other                   | <b>nothing</b>    |            |            |                                 |

| 7. Program Description |                    |                              |             |                |
|------------------------|--------------------|------------------------------|-------------|----------------|
| Year\Level             | Code of the course | Name of the course           |             | Approved hours |
|                        |                    |                              | theoretical | practical      |
| <b>First Level</b>     |                    | Immediate Immbulance level ١ | ٢٨          | ١٦             |
| <b>Second Level</b>    |                    | Immediate Immbulance level ٢ | ٣٠          | ١٩             |

## 8. Expected learning outcomes of the program

### Knowledge

- 1- Qualifying the student to apply knowledge in various cognitive fields in general and in the field of immediate first aid and emergencies in particular. Understanding human anatomy and organ functions (especially the heart, lungs, and nervous system). Knowledge of common diseases (stroke, diabetes, and epilepsy) and injuries (fractures, burns, and wounds). Understanding basic medications used in emergencies and their side effects.
- 2- The student's knowledge of the principles and professional and ethical responsibilities of the field of specialization
- 3- Enabling the student to provide first aid and nursing care to the individual in emergency and critical cases inside the immediate ambulance until he arrives at the hospital
- 4- The student learns leadership skills, values of commitment, ethical behavior, and respect for others
- 5- Knowledge of disaster and mass casualty response protocols.

### Skills

1. Basic Clinical Skills: Systematically assess the patient's condition (health history, physical examination, vital signs). Perform CPR for adults and children. Treat head, spine, and chest injuries. Control bleeding and manage shock. Treat burns, fractures, and dislocations. Manage respiratory emergencies (asthma, choking).
2. Medical Equipment Skills: Use an electrocardiogram (ECG) and diagnose cardiac arrhythmias. Handle ventilators and oxygen. Use suction devices and emergency medications. Apply immobilization techniques (splints, neck collars).
3. Communication and Decision-Making Skills: Communicate effectively with patients, their families, and the healthcare team. Convey information clearly via radio or electronic systems. Make quick decisions under pressure based on protocols. Accurately document the case in the medical report.
4. Field Skills and Incident Management: Assess and secure the scene (such as traffic accidents). Organize the rescue chain in disasters. Handle psychological emergencies. Manage safe patient transport.
5. Ethical and Professional Responsibility: Adherence to confidentiality and safety standards. Working within the legal limits of emergency intervention. Maintaining personal and team safety. Participating in continuing medical education.

### Importance of Skilled Learning Outcomes:

١. Directly Saving Lives: By acquiring lifesaving skills such as controlling severe bleeding and stabilizing the spine after an accident. These are procedures that determine a patient's fate within the "golden minutes."
٢. Dealing with Unforeseen Real-Life Circumstances: The field requires rapid assessment of the accident scene (e.g., chemical accidents/fires). Adapting to limited equipment or difficult conditions (crowding, darkness, weather).
٣. Building Professional Confidence: Frequently practicing skills during critical situations.
٤. Effective Teamwork: Clear communication skills within the team and the allocation of roles in disasters. This avoids errors and speeds up response.

Skills learning outcomes be achieved?

1. Progressive training (from easy to complex): Basic stage: Practice isolated skills (e.g., blood pressure measurement, intramuscular injection) on medical models (simulation dummies). Then move to the advanced stage: integrate skills into integrated scenarios (e.g., dealing with an unconscious patient, difficulty breathing, or bleeding).
2. Simulation-Based Training: Use smart dummies that simulate bodily reactions (bleeding, sweating, changes in vital signs). Design emergency scenarios in realistic environments (miniature ambulances, pre-prepared disaster sites).
3. Supervised Clinical Internships: Partner with ambulance organizations and hospitals to apply skills under the supervision of field trainers. Start with simple tasks (assisting in transporting patients), then progress to critical tasks (participating in CPR).
4. Deliberate Practice: Repeating critical skills (e.g., inserting a breathing tube 100 times on a mannequin, correcting errors immediately). Using video recordings to analyze performance (e.g., why a student failed a particular task).
5. Immediate Feedback: Having a trainer correct errors during implementation. Group evaluation after each simulation session.
6. Technology Integration: Virtual Reality (VR) headsets to simulate rare situations (e.g., chemical explosions, rescue from heights). Apps that analyze skill performance (e.g., sensors on mannequins that show the depth/speed of compressions).

Defining Expected Learning Values Outcomes:

1. Compassion: Dealing with human suffering with dignity, regardless of the patient's social/cultural background.
2. Integrity: Honestly reporting errors, refusing bribes, and maintaining confidentiality.
3. Responsibility: Accepting the consequences of decisions under pressure and following up after the patient's discharge.
4. Justice: Providing fair service to all patients without discrimination (race, gender, or religion).
5. Psychological Resilience: Maintaining focus after traumatic scenes and managing fatigue.
6. Teamwork: Respecting team roles and providing assistance without obligation.

#### Values

- 1- Ability to manage medical work in the field of emergency aid
- 2- The ability to use immediate first aid equipment to meet the required needs within the field of specialization
- 3- Ability to work with the latest medical devices and medical diagnostic software
- 4- Teaching the student the ability to adapt to similar specialties ( X-ray devices, Sonar, human (medicine , medical devices ..... etc)

Defining the Expected Learning Values Outcomes:

- 1- Graduate Preparation: Ensuring graduates acquire the knowledge and skills necessary to succeed in their careers in emergency medical care.
- 2- Quality Measurement: Measuring the effectiveness of the educational process and identifying its strengths and weaknesses.
- 3- Planning: Planning educational activities, designing learning materials, and selecting appropriate teaching methods.

### Examples of Expected Learning Values Outcomes:

1. In the area of emergency knowledge: Understanding the steps to deal with various injuries, infections, and disasters, and the procedures for dealing with them quickly and accurately according to safety standards.
2. In the area of emergency skills: The ability to use various medical devices for emergency situations, such as electrocardiograms, airway management, bone fracture immobilization, etc.
3. In the area of emergency situations: Prioritizing patients with critical and urgent conditions over patients with minor conditions, integrity in documenting medical reports, teamwork, and speed in rescuing patients while maintaining safety procedures.

### 9. Teaching and learning strategies

The instructor explains the theoretical material on the board using a slide projector, paper lectures, educational bags, and systematic and summer training in hospitals

### 10. Evaluation methods .

Daily, semester and final tests, weekly reports

### 11. Faculty members

| Faculty members     | Requirements/Special Skills | Specialization                    |                                   | Academic Degree     |
|---------------------|-----------------------------|-----------------------------------|-----------------------------------|---------------------|
|                     |                             | private Scientific specialization | general Scientific specialization |                     |
| institution's staff |                             | Inorganic Chemistry               | Chemistry                         | Assistant Professor |
| institution's staff |                             | Biochemistry                      | Chemistry                         | lecturer            |
| institution's staff |                             | Microbiology genetics             | Life Sciences                     | lecturer            |
| institution's staff |                             | Microbiology                      | Life Sciences                     | Assistant lecturer  |
| institution's staff |                             | Finance                           | Accounting                        | Assistant lecturer  |
| institution's staff |                             | Marketing                         | Accounting                        | Assistant lecturer  |

|                                 |  |                            |                        |                     |
|---------------------------------|--|----------------------------|------------------------|---------------------|
| institution's staff             |  | Accounting                 | Accounting             | Assistant lecturer  |
| institution's staff             |  | Accounting                 | Accounting             | Assistant lecturer  |
| Outside the institution's staff |  | Children                   | General medicine       | Board               |
| Outside the institution's staff |  | Microbiology               | Life Sciences          | Assistant lecturer  |
| Outside the institution's staff |  | Microbiology               | Life Sciences          | Assistant lecturer  |
| Outside the institution's staff |  | Fractions                  | General medicine       | Board               |
| Outside the institution's staff |  | Private international law  | law                    | Assistant lecturer  |
| Outside the institution's staff |  | Toxins and Pharmaceuticals | Veterinary medicine    | Assistant lecturer  |
| Outside the institution's staff |  | Nano technology            | Life Science Education | Assistant professor |

## Professional development

### Orientation of new faculty members

Training courses in the field of specialization

Courses on how to publish scientific research

### Professional development for faculty members

Training courses in the field of specialization

Developing scientific publishing skills

## 12. Acceptance standard

The admission criteria is through central admission within the plan of the Ministry of Higher Education and Scientific Research and according to the student's branch in school and his average.



### 13. The most important sources of information about the program

The textbook, auxiliary notebooks, external sources, Internet, scientific research and its latest developments

### 14. Program development plan

1-Developing the laboratories of the Immediate Ambulance department, as well as developing the curriculum by deleting, adding and replacing

2. Working on updating curricula to keep pace with the labor market

٣. Participation in scientific workshops inside and outside Iraq

٤. Hosting scientific competencies in the field of specialization

### □□□□□□□ – □□□□□ Level

Study plan for the first level for the academic year ٢٠٢٤-٢٠٢٥

#### Immediate Ambulance Department - Level ١

| The symbol | Material type | Course material | The pavement if any | Number of units | Number of practical hours | Number of theoretical hours | Name of the material                 |                           | Requirement type | Requirements                                                                                  |
|------------|---------------|-----------------|---------------------|-----------------|---------------------------|-----------------------------|--------------------------------------|---------------------------|------------------|-----------------------------------------------------------------------------------------------|
|            |               |                 |                     |                 |                           |                             | In English                           | In Arabic                 |                  |                                                                                               |
| NTU100     | general       | the first       |                     | 2               | -                         | 2                           | Democracy and Human Rights           | الديمقراطية وحقوق الانسان | compulsory       | University requirements<br>٪٢٢,٧<br>(١٠) units)<br>^ compuls<br>ory units<br>٢ elective units |
| NTU101     | assistant     | the first       |                     | 2               | -                         | 2                           | English language                     | اللغة الإنكليزية          | compulsory       |                                                                                               |
| NTU102     | assistant     | the first       |                     | 2               | 1                         | 1                           | Computer                             | الحاسوب                   | compulsory       |                                                                                               |
| NTU103     | assistant     | the first       |                     | 2               | -                         | 2                           | Arabic Language                      | اللغة العربية             | compulsory       |                                                                                               |
| NTU104     | general       | the second      |                     | 2               | 1                         | 1                           | Sport                                | الرياضة                   | Optional         |                                                                                               |
| NTU105     | general       | the second      |                     | 2               | -                         | 2                           | French Language                      | اللغة الفرنسية            | Optional         |                                                                                               |
|            |               |                 |                     | 10              | 2                         | 10                          |                                      |                           |                  | the total                                                                                     |
| TIDO106    | specialty     | the first       |                     | 4               | 2                         | 2                           | Physiology                           | علم وظائف الاعضاء         | compulsory       | Institute Requirements<br>٪٢٧,٢<br>(١٢) (units<br>١٢ compuls                                  |
| TIDO107    | specialty     | the second      |                     | 4               | 2                         | 2                           | Anatomy                              | التشريح                   | compulsory       |                                                                                               |
| TIDO108    | assistant     | the first       |                     | 2               | -                         | 2                           | Safety of laboratories and workshops | سلامة المختبرات والورش    | compulsory       |                                                                                               |

|          |           |            |                             |    |    |    |                          |                                 |            |                                                                                                               |
|----------|-----------|------------|-----------------------------|----|----|----|--------------------------|---------------------------------|------------|---------------------------------------------------------------------------------------------------------------|
| TIDO 109 | assistant | the second |                             | 2  | -  | 2  | Medical Terminologies    | المصطلحات الطبية                | compulsory | University optional                                                                                           |
|          |           |            |                             | 12 | 4  | 8  |                          |                                 |            | The total                                                                                                     |
| IMA 110  | specialty | the first  |                             | 4  | 2  | 2  | Fundamental first aids   | مبادئ الإسعافات الأولية         | compulsory | Department requirements %50 Specialization requirements (20) mandatory & optional only 2) units are (selected |
| IMA 111  | specialty | the first  |                             | 4  | 2  | 2  | Medical Surgical Nursing | التمريض الباطني                 | compulsory |                                                                                                               |
| IMA 112  | specialty | the second |                             | 4  | 2  | 2  | Fundamental of nursing   | اساسيات التمريض                 | compulsory |                                                                                                               |
| IMA 113  | specialty | the second |                             | 4  | 2  | 2  | Clinical chemistry       | الكيمياء السريرية               | compulsory |                                                                                                               |
| IMA 114  | specialty | the first  |                             | 4  | 2  | 2  | Microbiology             | الاحياء المجهرية                | compulsory |                                                                                                               |
| IMA 115  | assistant | the second | Only one course is selected | 2  | -  | 2  | Communication skills     | مهارات التواصل                  | Optional   |                                                                                                               |
| IMA 116  | assistant | the second |                             | 2  | -  | 2  | Psychology               | علم النفس                       | Optional   |                                                                                                               |
|          |           |            |                             | 22 | 10 | 12 |                          |                                 |            | the total                                                                                                     |
|          |           |            |                             | 44 |    |    |                          | Total units for the first level |            |                                                                                                               |

## □ □ □ □ □ □ □ – □ □ □ □ □ □ Level

| Curriculum for the second level for the academic year ٢٠٢٤-٢٠٢٥ |               |                 |                      |                 |                           |                             |                           |                 |                  |                                                              |
|-----------------------------------------------------------------|---------------|-----------------|----------------------|-----------------|---------------------------|-----------------------------|---------------------------|-----------------|------------------|--------------------------------------------------------------|
| Immediate Ambulance Department - Level ٢                        |               |                 |                      |                 |                           |                             |                           |                 |                  |                                                              |
| The symbol                                                      | Material type | Course material | The institute if any | Number of units | Number of practical hours | Number of theoretical hours | Name of the material      |                 | Requirement type | Requirements                                                 |
|                                                                 |               |                 |                      |                 |                           |                             | In English                | In Arabic       |                  |                                                              |
| NTU 201                                                         | assistant     | The second      |                      | 2               | 1                         | 1                           | Computer                  | الحاسوب         | compulsory       | University requirements %١٧,٠٢ (١٠ units) ١٠ mandatory units |
| NTU 202                                                         | assistant     | The second      |                      | 2               | -                         | 2                           | Arabic Language           | اللغة العربية   | compulsory       |                                                              |
| NTU 203                                                         | assistant     | the first       |                      | 2               | -                         | 2                           | Crimes of Al-Baath regime | جرائم حزب البعث | compulsory       |                                                              |
| NTU 204                                                         | general       | the first       |                      | 2               | -                         | 2                           | Professional Ethics       | اخلاقيات المهنة | compulsory       |                                                              |
|                                                                 |               |                 |                      | 8               | 1                         | 7                           |                           |                 |                  | the total                                                    |
| TIDO 205                                                        | assistant     | the first       |                      | 2               | -                         | 2                           | Biostatic                 | الإحصاء الحياتي | compulsory       | Institute Requirements %4.25 2 Units 2 Compulsory            |
|                                                                 |               |                 |                      | 2               |                           | 2                           |                           |                 |                  | the total                                                    |
| IMA 206                                                         | specialty     | the first       |                      | 4               | 2                         | 2                           | Emergency Nursing 1       | تمريض الطوارئ ١ | compulsory       | Department                                                   |

|         |           |            |                             |    |    |    |                                   |                               |            |                                                                                                                                                                                             |
|---------|-----------|------------|-----------------------------|----|----|----|-----------------------------------|-------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IMA 207 | specialty | the first  |                             | 4  | 2  | 2  | Primary Health Care               | الرعاية الصحية الأولية        | compulsory | requirements ٧٨,٧٢ Specialization requirements ٣٤ (٣٧) Compulsory ٦ Elective (units ٣) The student has the freedom to choose them for the purpose of completing the graduation requirements |
| IMA 208 | specialty | The second |                             | 4  | 2  | 2  | Emergency Nursing 2               | تمريض طوارئ ٢                 | compulsory |                                                                                                                                                                                             |
| IMA 209 | specialty | the first  |                             | 4  | 2  | 2  | Pharmacology                      | علم الدوائيات                 | compulsory |                                                                                                                                                                                             |
| IMA 210 | specialty | the first  |                             | 4  | 2  | 2  | Critical Nursing Cases            | تمريض حالات حرجية             | compulsory |                                                                                                                                                                                             |
| IMA 211 | specialty | The second |                             | 4  | 2  | 2  | Adult Nursing                     | تمريض بالغين                  | compulsory | the total                                                                                                                                                                                   |
| IMA 212 | assistant | The second |                             | 2  | -  | 2  | Principles Of Professional Safety | مبادئ السلامة المهنية         | compulsory |                                                                                                                                                                                             |
| IMA 213 | specialty | The second |                             | 4  | 2  | 2  | Toxins                            | علم السموم                    | compulsory |                                                                                                                                                                                             |
| IMA ٢١٤ | assistant | the first  |                             | 2  | -  | 2  | Nutrition and Diet Therapy        | علم الغذاء والمعالجة الغذائية | compulsory |                                                                                                                                                                                             |
| IMA ٢١٥ | assistant | the second |                             | 2  | 2  | -  | Research Proposal                 | مشروع التخرج                  | compulsory | Total units for the second level                                                                                                                                                            |
| IMA 216 | assistant | The second | Only one course is selected | 3  | 2  | 1  | Hematology                        | علم الدم                      | Optional   |                                                                                                                                                                                             |
| IMA 217 | assistant | The second |                             | 3  | 2  | 1  | epidemiology                      | علم الوبائيات                 | Optional   |                                                                                                                                                                                             |
|         |           |            |                             | 37 | 18 | 19 |                                   |                               |            |                                                                                                                                                                                             |
|         |           |            |                             | 47 |    |    |                                   |                               |            |                                                                                                                                                                                             |

| Curriculum Skills Chart                                                                         |             |                                      |                                 |                                       |    |    |    |                                 |        |        |        |                 |    |        |    |                                                                                                   |    |        |    |
|-------------------------------------------------------------------------------------------------|-------------|--------------------------------------|---------------------------------|---------------------------------------|----|----|----|---------------------------------|--------|--------|--------|-----------------|----|--------|----|---------------------------------------------------------------------------------------------------|----|--------|----|
| Please tick in the relevant boxes where individual Program Learning Outcomes are being assessed |             |                                      |                                 |                                       |    |    |    |                                 |        |        |        |                 |    |        |    |                                                                                                   |    |        |    |
| Program Learning Outcomes                                                                       |             |                                      |                                 |                                       |    |    |    |                                 |        |        |        |                 |    |        |    |                                                                                                   |    |        |    |
| Year/<br>level                                                                                  | Course Code | Course Title                         | Core (C) Title<br>or Option (O) | Knowledge<br>and<br>understandi<br>ng |    |    |    | Subject-<br>specifi<br>c skills |        |        |        | Thinking Skills |    |        |    | General and<br>Transferable Skills<br>relevant to<br>employability and<br>personal<br>development |    |        |    |
|                                                                                                 |             |                                      |                                 | A1                                    | A2 | A3 | A4 | B1                              | B<br>2 | B<br>3 | B<br>4 | C1              | C2 | C<br>3 | C4 | D1                                                                                                | D2 | D<br>3 | D4 |
| First                                                                                           | NTU100      | Democracy and Rights                 | Fundamental                     | X                                     |    |    |    | X                               |        |        |        | X               |    |        |    | X                                                                                                 |    |        |    |
|                                                                                                 | NTU101      | English language                     | Fundamental                     | X                                     |    |    |    | X                               |        |        |        | X               |    |        |    | X                                                                                                 |    |        |    |
|                                                                                                 | NTU 102     | Computer                             | Fundamental                     | X                                     |    |    |    | X                               |        |        |        | X               |    |        |    | X                                                                                                 |    |        |    |
|                                                                                                 | NTU 103     | Arabic Language                      | Fundamental                     | X                                     |    |    |    | X                               |        |        |        | X               |    |        |    | X                                                                                                 |    |        |    |
|                                                                                                 | NTU104      | Sport                                | Accessory                       | X                                     |    |    |    | X                               |        |        |        | X               |    |        |    | X                                                                                                 |    |        |    |
|                                                                                                 | TIDO 106    | Physiology                           | Fundamental                     | X                                     | X  |    |    | X                               |        |        |        | X               | X  |        |    | X                                                                                                 | X  |        |    |
|                                                                                                 | TIDO 107    | Anatomy                              | Fundamental                     | X                                     |    |    |    | X                               |        |        |        | X               |    |        |    | X                                                                                                 |    |        |    |
|                                                                                                 | TIDO 108    | Safety of laboratories and workshops | Fundamental                     | X                                     |    |    |    | X                               |        |        |        | X               |    |        |    | X                                                                                                 |    |        |    |
|                                                                                                 | TIDO 109    | medical terminologies                | Fundamental                     | X                                     |    |    |    | X                               |        |        |        | X               |    |        |    | X                                                                                                 |    |        |    |
|                                                                                                 | IMA 110     | Principles Ambulance initial         | Fundamental                     | X                                     |    |    |    | X                               |        | X      |        | X               |    | X      |    | X                                                                                                 | X  |        |    |
|                                                                                                 | IMA 111     | Ambulance Initial and Emergency      | Fundamental                     | X                                     |    |    |    | X                               |        |        |        | X               |    |        |    | X                                                                                                 |    |        |    |
|                                                                                                 | IMA 112     | Abdominal Nursing                    | Fundamental                     | X                                     |    |    |    | X                               | X      |        |        | X               | X  |        |    | X                                                                                                 | X  |        |    |
|                                                                                                 | IMA 113     | Clinical chemistry                   | Fundamental                     | X                                     |    |    |    | X                               |        |        |        | X               |    |        |    | X                                                                                                 |    |        |    |

|            |         |                                   |             |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |
|------------|---------|-----------------------------------|-------------|---|---|--|--|---|--|--|--|---|--|--|--|---|---|--|--|
|            | IMA 114 | Microbiology                      | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X | X |  |  |
|            | IMA 115 | communication skills              | Accessory   |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |
|            | IMA 116 | Professional behavior             | Accessory   | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
| Seco<br>nd | NTU 200 | English language                  | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | NTU 201 | Computer                          | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | NTU 202 | Arabic Language                   | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | NTU 203 | Crimes of Al-Baath regime         | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | NTU204  | Professional Ethics               | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | TIDO205 | Biostatic                         | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | IMA 206 | Emergency Nursing                 | Fundamental | X | X |  |  | X |  |  |  | X |  |  |  | X | X |  |  |
|            | IMA 207 | Primary Health care               | Fundamental | X | X |  |  | X |  |  |  | X |  |  |  | X | X |  |  |
|            | IMA208  | Emergency Nursing                 | Fundamental | X | X |  |  | X |  |  |  | X |  |  |  | X | X |  |  |
|            | IMA 209 | Pharmacology                      | Fundamental | X | X |  |  | X |  |  |  | X |  |  |  | X | X |  |  |
|            | IMA 210 | Critical Cases Nursing            | Fundamental | X | X |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | IMA 211 | Adult Nursing                     | Fundamental | X | X |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | IMA 212 | Principles Of Professional Safety | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | IMA 213 | Toxins                            | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | IMA 214 | Nutrition and Diet Therapy        | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | IMA 215 | Research Proposal                 | Fundamental | X |   |  |  | X |  |  |  | X |  |  |  | X |   |  |  |
|            | IMA 216 | Hematology                        | Accessory   | X |   |  |  | X |  |  |  | X |  |  |  | X | X |  |  |
|            | IMA 217 | Blood Transfusion                 | Accessory   |   |   |  |  |   |  |  |  |   |  |  |  |   |   |  |  |

# Courses Description - First Level

|                                                                                                                                                                                                                                                                                                                                                                           |                                    |
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| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                    |                                    |
| Nursing basics                                                                                                                                                                                                                                                                                                                                                            |                                    |
| <b>2. Course Code :</b>                                                                                                                                                                                                                                                                                                                                                   |                                    |
| IMA112                                                                                                                                                                                                                                                                                                                                                                    |                                    |
| <b>3. Semster/ year :</b>                                                                                                                                                                                                                                                                                                                                                 |                                    |
| Second semester /level one                                                                                                                                                                                                                                                                                                                                                |                                    |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                   |                                    |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                 |                                    |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                     |                                    |
| presence                                                                                                                                                                                                                                                                                                                                                                  |                                    |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total)</b>                                                                                                                                                                                                                                                                                                        |                                    |
| 30 Practical hours + theoretical hours ٣٠ / number of units ٤                                                                                                                                                                                                                                                                                                             |                                    |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                |                                    |
| Name: Mohammed Mahmoud Sadaa                                                                                                                                                                                                                                                                                                                                              |                                    |
| Email: mohammed.mahmood394@gmail.com                                                                                                                                                                                                                                                                                                                                      |                                    |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                               |                                    |
| Learn about the basics of nursing, first aid, laboratory and professional aid in the field of nursing, and methods of .dealing with the patient<br>Identify vital signs, temperature, breathing, blood pressure, pulse and their methods<br>Learn about the history of nursing and the nurse and know his duties<br>Identify the types of hospitals and their departments | Objectives of the subject Academic |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                             |                                    |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| -Strategy Storm mental<br>- Strategy Work group<br>-Discussion strategy<br>- Strategy Study case -<br>Inductive teaching strategy-<br>Concept maps strategy-<br>Strategy Training Field Practical<br>-Self-learning strategy<br>-Strategy Education Electronic | <b>Strategies Education</b> |
| -Strategy Study<br>- Strategy Conclusion -<br>Strategy Practice divergent<br>- Strategy Switch Between<br>Ideas- Strategy for<br>presenting examples                                                                                                           | <b>Strategies Learning</b>  |

## 10. Course Structure

| Method Evaluation                                                    | Learning method                                                                                              | Name Unit or Topic                                                  | Outputs The required learning                          | Hours | weeks |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------|-------|-------|
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | nursing Basics of<br>,definition (nursing<br>, ( health, hospital , | Introducing<br>students to the<br>basics of<br>nursing | 4     | 1     |

|                                                                       |                                                                                                              |                                                                                                                                                                                                        |                                                                                                                    |   |     |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---|-----|
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Management and<br>discharge of the patient<br>,from the hospital<br>detailed chart, oral<br>, report, written report<br>. nursing process<br>,Assessment, planning)<br>,implementation<br>(evaluation. | Introducing students to the<br>basics of patient discharge<br>management                                           | ξ | ٣-٢ |
| ,Reports<br>Assignmen<br>ts, theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | ,Physical examination<br>point preparation. For<br>examination, the nurse's<br>role in physical<br>examination, collecting<br>samples, preparing<br>equipment, and throwing<br>. fluids                | Introducing students to the<br>basics of physical<br>examination and preparing<br>equipment, forms, and<br>samples | ξ | ٥-٤ |

|                                                                       |                                                                                                               |                                                                                                                                                                                            |                                                                                |   |      |
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| ,Reports<br>Assignment<br>s, theoretical<br>exams Oral and<br>written | Blackb<br>oard slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Body mechanics, body<br>posture, principle of<br>,body mechanics<br>. complete work                                                                                                        | Introducing<br>students to the<br>basics of posture<br>and body<br>mechanics   | ξ | ٦    |
| ,Reports<br>Assignment<br>s, theoretical<br>exams Oral and<br>written | Blackb<br>oard slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Basic needs for physical<br>therapy care. Care of the<br>physical therapy unit, bed<br>arrangement, causes of<br>,lack of physical comfort<br>mental health and<br>. psychotherapy support | Introducing students to the<br>basics of physical therapy<br>and mental health | ξ | ٨٧   |
| ,Reports<br>Assignment<br>s, theoretical<br>exams Oral and<br>written | Blackb<br>oard slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically               | Body hygiene, dental<br>,care, skin, mouth<br>.physical therapy bath<br>Type of bath, care for<br>sores, their causes and<br>. prevention                                                  | Introducing students to the<br>basics of patient physical<br>care              | ξ | ١٠-٩ |



|                                                                       |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                 |   |       |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---|-------|
|                                                                       | laboratory                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                 |   |       |
| ,Reports<br>Assignment<br>s, theoretical<br>exams Oral and<br>written | Blackb<br>oard slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | ,Fluids and nutrients<br>nutrition, physical<br>- therapy agents<br>nutrients and body<br>waste, gastrostomy<br>tube                                                                                                                                                                                                                                                                                                                                   | Introducing students to the<br>basics of patient nutrition                                      | ξ | ١١    |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral and<br>written  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory  | ,Sterilization method<br>,surgical sterilization<br>,medical sterilization<br>,type of disinfectant<br>floor covering, type of<br>sterilization of surgical<br>equipment, dressing<br>principle and stage<br>removal.                                                                                                                                                                                                                                  | Introducing students to the<br>basics of sterilization and<br>dressing                          | ξ | ١٢    |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral and<br>written  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory  | Vital signs, definition of<br>,temperature<br>temperature check, type<br>,of temperature check<br>,armpit, causes, signs<br>and symptoms, nursing<br>care for it, identifying<br>factors affecting the<br>pulse, place to take the<br>pulse, nursing point in<br>,checking the pulse<br>breathing, definition of<br>breathing, Definition of<br>.blood pressure<br>Definition of diastolic<br>and systolic pressure<br>and the factors affecting<br>it | Introducing students to the<br>basics of vital signs:<br>temperature, respiration, and<br>pulse | ξ | ١٤-١٣ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral and<br>written  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory  | ,Drug administration<br>drug definition, drug<br>- type, and injection<br>subcutaneous(SC) ,<br>intramuscular(IM) ,<br>intra dermal(ID) ,<br>intravenous(IV).                                                                                                                                                                                                                                                                                          | Introducing students to the<br>basics of giving injections<br>and medication                    | ξ | ١٥    |

## 11. Course Evaluation

Distribution Score from 100 onwards According to Tasks The taxpayer With it The student, for example Preparation  
Daily And exams Daily And oral And monthly  
And editorial And reports Etc

- Semester exam 40 marks
- Final exam 60 marks

## 12. Sources Learning And teaching

|                                                                                                                                                                                                                                                                        |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                        | Prescribed books ( required)Methodology that found                                  |
| Nadecra H. Fundemental of Nursing (practices) Foundation of Technical educations. MousL, 2000<br><br>Naaheda. M Fundemental of Nursing (theory).Foundation of Technical education Baghdad 2000.Spring house corporation, Nursing, procedures, publication, Data. 1997. | Main references( Sources)                                                           |
| Taylor, C., et al.: Fundamentals of Nursing: The Art and Science of Nursing care, 7th ed., 2011, Lippincott<br><br>White, L.; Duncan, G.; and Baumle, W.: Foundation of Nursing, 3rd ed., 2011, Australia: CENGAGE                                                     | Books And references The support Which ,Recommended ( scientific journals reports ) |
|                                                                                                                                                                                                                                                                        | References electronic, Locations Internet                                           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |
| Internal nursing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                               |
| <b>2. Course Code :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |
| IMA 111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |
| <b>3.semester/year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                               |
| First semester /level one                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                               |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                               |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                               |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |
| <b>6 . Number of Credit Hours (Total) / Number of Units (Total)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |
| 30 Practical hours + ٣٠ theoretical hours / number of units ٤                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               |
| Name: Abdul Muhaimin Kamal Latif<br>Email: Abdulmuhaimn.latif@st.tu.edu.iq                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
| Learn general information about internal and surgical diseases<br>Identifying the patient's basic needs and providing comfort and full<br>. care to patients in meeting their needs<br>The ability to provide nursing care to patients with diseases of the<br>digestive, respiratory, urinary systems, heart, nose, ear, throat, and<br>others<br>Qualifying the student to provide nursing care in the recovery unit<br>Ability to provide nursing care to patients before and after surgical<br>.operations | <b>Objectives of the<br/>subject Academic</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |



|                                                                      |                                                                                                    |                                                                                                                                                                                                                                                                                                          |                                                                                                    |   |   |
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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>laboratory | Nursing care for liver and<br>gallbladder diseases - acute and<br>chronic inflammation of the<br>gallbladder - signs and<br>- symptoms - nursing care<br>- gallstones - their definition<br>symptoms and signs - nursing<br>- care before and after surgery<br>hepatitis of all types - nursing<br>care. | Introducing students<br>to patient health<br>care, especially liver<br>and gallbladder<br>diseases | ξ | ξ |
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|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|---|
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentatio<br>n<br>laboratory | Internal and surgical nursing<br>- care for endocrine diseases<br>thyroid gland - signs and<br>- symptoms - nursing care<br>diabetes - its symptoms and<br>signs - types - nutritional<br>- and drug treatment<br>complications | Introducing students<br>,to patient health care<br>especially endocrine<br>diseases | ξ | ο |
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|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---|-----|
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Internal and surgical nursing<br>care for joint and bone<br>- diseases - types of fractures<br>signs and symptoms - first aid<br>- nursing care - amputation -<br>- reasons for amputation<br>complications - nursing care<br>.before and after the operation | Introducing students to<br>,patient health care<br>especially joint<br>diseases and fractures | ξ | γ-ζ |
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|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---|---|
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Internal and surgical nursing<br>care for diseases of the urinary<br>system - Introduction to the<br>urinary system - Tests<br>- performed on the patient<br>Signs and symptoms of the<br>- urinary system - Renal colic<br>Signs and symptoms - Nursing<br>care - Acute and chronic<br>nephritis - Signs and<br>symptoms - Nursing care | Introducing students to<br>patient health care<br>especially urinary<br>system diseases | ξ | Α |
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|                                                                      |                                                                                      |                                                                                                                                                                                                                                                        |                                                                                             |   |   |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---|---|
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentatio<br>n | Symptoms of acute kidney<br>:failure, which includes<br>definition - evaluation (health<br>history - assessment of the<br>(individual's health condition<br>- diagnostic examinations -<br>nursing care - symptoms of<br>chronic kidney failure, which | Introducing students to<br>patient health care<br>especially kidney-<br>associated diseases | ξ | ϩ |
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|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|----|
|                                                                      | laboratory                                                                                                   | <ul style="list-style-type: none"> <li>- includes: definition</li> <li>- evaluation (health history assessment of the individual's health condition) - diagnostic .examinations - nursing care</li> </ul>                                                                                                                                                                                                                                                                                                               |                                                                                     |   |    |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | :Kidney dialysis (dialysis)<br>Introduction to dialysis: its<br>definition - types - diseases<br>that lead to dialysis. (A)<br>Perforation: Introduction to<br>- perforation - Definition<br>Objectives - Nursing care for<br>the patient undergoing<br>perforation (before - during<br>- .(and after perforation<br>Complications that occur<br>during perforation and how to<br>.treat them                                                                                                                           | ntroducing students to<br>patient health care<br>specially dialysis                 | ξ | ١٠ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | B) Hemodialysis: Introduction<br>- to hemodialysis - definition<br>.objectives - nursing care<br>When is an arteriovenous<br>shunt(canula): - its definition<br>types - benefits - where it is<br>used - methods of performing<br>- it - monitoring it<br>complications - nursing care<br>for the condition of the shunt<br>site. Nursing care during the<br>transperfusion process and<br>- while operating the device<br>Nursing care in disengaging<br>the transperfusion device from<br>the patient - Complications | ntroducing students to<br>patient health care<br>specially<br>hemodialysis diseases | ξ | ١١ |

|                                                                      |                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                            |   |    |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---|----|
|                                                                      |                                                                                                                               | that occur during the<br>- transperfusion process<br>Recommendations given to the<br>patient after the perforation<br>process.                                                                                                                                                                                                                                                                                                                         |                                                                                            |   |    |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory And a<br>chapter | Accidental and sudden events<br>:during the perforation process<br>Aerobic health-١<br>Angina pectoris -٢<br>3- Cardiac arrhythmia<br>Electrical malfunction in -٣<br>the device. ٤- High blood<br>pressure<br>Low blood pressure -٥<br>Membrane bursting -٦                                                                                                                                                                                           | Introducing students to<br>patient health care<br>especially<br>hemodialysis diseases      | ٤ | ١٢ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory                  | - Kidney transplantation<br>Introduction to the kidney<br>- transplantation process<br>- Definition - Objectives<br>Nursing care - Before the<br>- kidney transplantation<br>Nursing care for the kidney<br>donor before the kidney<br>transplantation - Nursing care<br>for the patient after the<br>- kidney transplantation<br>Complications that occur<br>after the kidney<br>transplantation operation and<br>how to treat them - Nursing<br>care | Introducing students to<br>patient health care<br>especially during a<br>kidney transplant | ٤ | ١٣ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory                  | Internal and surgical nursing<br>care for diseases of the blood<br>and lymph nodes - anemia<br>and its types - signs and<br>- symptoms - nursing care<br>leukemia and acute and<br>- chronic blood sucking<br>- signs and symptoms<br>.nursing care                                                                                                                                                                                                    | Introducing<br>students to patient<br>,health care<br>especially blood<br>diseases         | ٤ | ١٤ |

|                                                                                                                                                                                                 |                                                                                                              |                                                                                                                                                                                            |                                                                                |   |    |
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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written                                                                                                                            | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Internal and surgical nursing<br>care for cardiovascular<br>diseases - intensive care for<br>heart and respiratory<br>- diseases - its concept<br>nursing care in intensive<br>.care units | Introducing students<br>,to patient health care<br>especially heart<br>disease | ٤ | ١٥ |
| <b>11. Course Evaluation</b>                                                                                                                                                                    |                                                                                                              |                                                                                                                                                                                            |                                                                                |   |    |
| Distribution Score from ١٠٠ onwards According to Tasks The taxpayer With it The student, for example Preparation<br>Daily And exams Daily And oral And monthly<br>And editorial And reports Etc |                                                                                                              |                                                                                                                                                                                            |                                                                                |   |    |
| - Semester exam 40 marks<br>- Final exam 60 marks                                                                                                                                               |                                                                                                              |                                                                                                                                                                                            |                                                                                |   |    |

|                                                                                                                                |                                                                                           |
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| <b>12. Sources Learning and teaching</b>                                                                                       |                                                                                           |
| Springhouse Corporation: Nursing Procedures” Publication Data<br>1992                                                          | Prescribed books( required) Methodology<br>that found                                     |
| Nazira Hussein, Nahida Muhammad - Theoretical Internal<br>Surgical Nursing - Technical Education Authority / Baghdad ١٩٩٩<br>. | Main references( Sources)                                                                 |
| Nazira Hussein, Nahida Muhammad - Internal Surgical Practical<br>Nursing - Technical Education Authority / Baghdad ٢٠٠٠.       | Books And references The support<br>Which( Recommended ( scientific<br>,journalsreports , |
|                                                                                                                                | References electronic, Locations Internet                                                 |



|                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                          |                                           |
| Physiology                                                                                                                                                                                                                                                                                                                                                                                      |                                           |
| <b>2. Course Code :</b>                                                                                                                                                                                                                                                                                                                                                                         |                                           |
| TIDO 106                                                                                                                                                                                                                                                                                                                                                                                        |                                           |
| <b>3.semester/year</b>                                                                                                                                                                                                                                                                                                                                                                          |                                           |
| First semester /level one                                                                                                                                                                                                                                                                                                                                                                       |                                           |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                         |                                           |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                       |                                           |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                           |                                           |
| presence                                                                                                                                                                                                                                                                                                                                                                                        |                                           |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                             |                                           |
| 30 Practical hours + ۳۰ theoretical hours / number of units ۴                                                                                                                                                                                                                                                                                                                                   |                                           |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                      |                                           |
| Name: Asaad Taha Hamid<br>Email: asta7062@gmail.com                                                                                                                                                                                                                                                                                                                                             |                                           |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                                                                                                                                   |                                           |
| Identify the different body systems<br>Knowledge of the various body functions and physiological processes that take place within the human body<br>The student knows the usefulness of physiological processes in human nursing<br>The student gains experience and skill in experiments conducted to examine organ functions<br>The ability to use medical devices to measure organ functions | <b>Objectives of the subject Academic</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                   |                                           |

|                                                                                                                                                                                                                                                                                                                                                                  |                                    |
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| <ul style="list-style-type: none"> <li>-Strategy Storm mental</li> <li>- Strategy Work group</li> <li>-Discussion strategy</li> <li>- Strategy Study case -</li> <li>Inductive teaching strategy-</li> <li>Concept maps strategy-</li> <li>Strategy Training Field Practical</li> <li>-Self-learning strategy</li> <li>-Strategy Education Electronic</li> </ul> | <p><b>Strategies Education</b></p> |
| <ul style="list-style-type: none"> <li>-Strategy Study</li> <li>- Strategy Conclusion -</li> <li>Strategy Practice divergent</li> <li>- Strategy Switch Between</li> <li>Ideas- Strategy for presenting examples</li> </ul>                                                                                                                                      | <p><b>Strategies Learning</b></p>  |

## 10. Course Structure :

| Method Evaluation                                                 | Learning method                                                                                        | Name Unit or Topic                                                                                                                                     | Outputs The required learning                                     | Hours | weeks s |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------|---------|
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting experiments electronically<br>laboratory | - Blood - its components<br>blood smear - blood volume<br>red blood cells - number of -<br>- red blood cells - their shape<br>.method of counting them | Introducing students to blood and its components                  | ξ     | ١       |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting experiments electronically<br>laboratory | White blood cells - their number - types - normal<br>- proportions of each type<br>.work of white blood cells                                          | Introducing students to white blood cells and their normal levels | ξ     | ٢       |

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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Blood clotting - blood acidity<br>blood discs and their -<br>function. | Introducing<br>students to the<br>blood clotting<br>process | ξ | ۳ |
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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Anemia – types of<br>anemia                                                                                                         | Introducing students<br>to the types of anemia                         | ξ | ξ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>laboratory               | Jaundice - its types - causes<br>of jaundice - breakdown of<br>red blood cells                                                      | Introducing students<br>to jaundice and its<br>types                   | ξ | ο |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>laboratory               | - The cardiovascular system<br>an overview of the anatomy<br>- of the circulatory system<br>anatomy of the heart - heart<br>.valves | Introducing students<br>to the anatomy of the<br>circulatory system    | ξ | ٦ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Location of the heart relative<br>to the surface of the living<br>- body - the heart as a pump<br>.cardiac excretion                | Familiarize students<br>with the location and<br>function of the heart | ξ | ۷ |

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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written                | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | ECG - heart sounds - areas of<br>the heart valves - normal<br>.sounds                                                               | Introducing students to<br>the ECG process                         | ξ | 8  |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written                | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Arterial blood pressure - silent<br>blood flow - atmospheric<br>pressure - measuring blood<br>.pressure                             | Introducing students to<br>the process of<br>measuring pressure    | ξ | 9  |
| ,Reports<br>,Assignments<br>theoretical<br>, exams Oral<br>written and<br>quarterly | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Factors affecting blood<br>pressure - high - low - central<br>- control of blood vessels<br>measuring high - low blood<br>pressure. | Introducing students to<br>the factors affecting<br>blood pressure | ξ | 10 |

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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>laboratory               | - Respiratory system<br>- respiratory muscles<br>diaphragm - function of the<br>diaphragm in relation to the<br>.lungs                                  | Introducing students to<br>the function of the<br>respiratory system                                      | ξ | 11 |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | - Respiratory volumes<br>reserve volume for<br>exhalation - reserve volume<br>for inhalation - vital capacity<br>factors affecting vital -<br>.capacity | Introducing students to<br>the process of<br>inhalation and<br>exhalation and the<br>factors affecting it | ξ | 12 |

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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Diseases affecting the<br>effectiveness of respiratory<br>volumes – nasal function                                         | Introducing students to<br>the function of the nose<br>and the diseases<br>affecting it | ξ | 13 |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Pulmonary alveoli<br>.function - blood acidity                                                                             | Introducing students to<br>the function of vesicles                                     | ξ | 14 |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | - Digestive system - mouth<br>.pharynx<br>Esophagus - stomach<br>- Duodenum - small intestine<br>.large intestine - rectum | Introducing students to<br>the function of the<br>digestive system                      | ξ | 15 |

## 11. Course Evaluation

Distribution Score from 100 onwards According to Tasks The taxpayer With it The student, for example  
Preparation Daily And exams Daily And oral And monthly  
And editorial And reports Etc

- Semester exam 40 marks
- Final exam 60 marks

## 12. Sources Learning and teaching

Clinical Physiology - Dr. Dhafer R. Al-Yassin - Ministry of  
Health-١٩٨٣

Prescribed books( required) Methodology  
that found



|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |
| Anatomy                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                  |
| <b>2. Course code</b>                                                                                                                                                                                                                                                                                                                                                                                                      |                                                  |
| TIDO 107                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  |
| <b>3.semester/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |
| Second semester /level one                                                                                                                                                                                                                                                                                                                                                                                                 |                                                  |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                    |                                                  |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                  |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                      |                                                  |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                  |
| <b>6.Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                         |                                                  |
| 30 Practical hours + ٣٠ theoretical hours / number of units ٤                                                                                                                                                                                                                                                                                                                                                              |                                                  |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                 |                                                  |
| Name: Asaad Taha Hamid<br>Email: asta7062@gmail.com                                                                                                                                                                                                                                                                                                                                                                        |                                                  |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
| <p>Learn about the general anatomy of the human body, see the mechanism of the organ system, and study all types of tissues under .the microscope</p> <p>The student will acquire the skill of how to take samples from all body organs</p> <p>The ability to know the differences between different body tissues and know the microscopic structure to help in studying all cases of abnormal .tissue for the patient</p> | <p><b>Objectives of the academic subject</b></p> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                              |                                                  |





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|                                                                          |                                                                                                              |                                                                                                                                            | Introducing students<br>Anatomy of the heart<br>in the human body |   |   |
| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Superficial anatomy of the<br>lungs: Description of the<br>position of the lungs<br>according to the chest wall<br>and the number of ribs. | Introducing students<br>Anatomy of the lungs<br>of the human body | 4 | ۳ |

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| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>laboratory           | Anatomy of the abdominal<br>surface: We draw the<br>abdominal surface areas<br>according to horizontal and<br>vertical lines.                                     | Introducing students<br>Anatomy of the<br>abdominal surface of<br>the human body | 4 | ۴ |
| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Anatomy of the stomach: We<br>explain the relationship of the<br>stomach to other organs in the<br>abdomen.                                                       | Introducing students<br>Anatomy of the<br>stomach to the human<br>body           | 4 | ۵ |
| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Anatomy of the liver and<br>spleen: We show them the<br>areas of the liver and spleen<br>according to the anatomy of<br>the superficial aspect of the<br>abdomen. | Introducing students<br>Anatomy of the liver<br>and spleen of the<br>human body  | 4 | ۶ |
| ,Reports<br>Assign<br>ments<br>theoretical<br>exams Oral<br>and written  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>laboratory           | Anatomy of the intestine: We<br>show the relationship of the<br>intestine to other organs<br>including the abdomen.                                               | Introducing students<br>Anatomy of the<br>intestines of the human<br>body        | 4 | ۷ |

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| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams Oral<br>and written                     | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Anatomy of the appendix: We<br>determine the area of the<br>appendix in the right iliac<br>region.    | Introducing students<br>Anatomy of the human<br>appendix                   | 4 | ٨  |
| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams Oral<br>and written                     | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | :Anatomy of the gallbladder<br>The gallbladder area is<br>identified in the right subcostal<br>region | Introducing students<br>Anatomy of the<br>gallbladder in the<br>human body | 4 | ٩  |
| ,Reports<br>Assignments<br>,<br>theoretical<br>exams Oral<br>and written<br>And a<br>chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>laboratory           | We determine the uterine area<br>in the suprapubic area.                                              | Introducing students<br>Anatomy of the uterus<br>to the human body         | 4 | ١٠ |

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| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | :Anatomy of the skeleton<br>:Central half of the skeleton<br>skull – spine and peripheral.                         | Introducing students<br>Anatomy of the human<br>skeleton                      | 4 | ١١ |
| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Shoulder bones: We show the<br>shoulder bones on the<br>skeleton, which are the<br>shoulder blade and the clavicle | Introducing students<br>Anatomy of the<br>shoulder bones of the<br>human body | 4 | ١٢ |
| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>laboratory           | Arm Bones: We show the<br>bones of the arm (humerus)                                                               | Introducing students<br>Anatomy of the arm<br>bones of the human<br>body      | 4 | ١٣ |

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| Reports<br>Assignments<br>theoretical<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Forearm bones: We show<br>the forearm bones: (ulna<br>(and radius.                              | Introducing students<br>Anatomy of the<br>forearm bones of the<br>human body | 4 | 14 |
| Reports<br>Assignment<br>theoretical<br>exams Oral<br>and written  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Hand Bones: We show the<br>bones of the hand: (carpal<br>bones, metacarpals, and<br>(phalanges. | Introducing students<br>Anatomy of the hand<br>bones of the human<br>body    | 4 | 10 |

## 11. Course Evaluation

Distribution Score from 100 onwards According to Tasks The taxpayer With it The student, for example  
Preparation Daily And exams Daily And oral and monthly a nd editorial and reports Etc

- Semester exam 40 marks
- The final exam 60 marks

## 12. Sources Learning and teaching

|                                                                                                                                  |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Principles of anatomy for students of health professions institutes, Dr. Abdul Rahman Mahmoud Al-Rahim / Ministry of Health ١٩٨٣ | Prescribed books( required)Methodology that found)                                  |
| Atlas of anatomy (Grantes) / 1998.<br>Kingham anatomy – Oxford – London / 1987                                                   | Main references( Sources)                                                           |
| Drake RL, Vogl W, Mitchell AWM. Gray's Anatomy for Students. Elsevier, Philadelphia, 2005.                                       | Books And references The support Which ,Recommended ( scientific journals reports , |
|                                                                                                                                  | References electronic, Locations Internet                                           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |
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| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |
| Clinical Chemistry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |
| <b>2. Course code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |
| IMA 113                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |
| <b>3.semester/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |
| Second semester /level one                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |
| 30 Practical hours + ٣٠ theoretical hours / number of units ٤                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |
| Name: Saad Qasim Muhammad<br>Email: saaldoury7@gmail.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |
| Learn about clinical chemistry, its principles, and its importance in the field of medicine<br>View clinical chemistry laboratories and the type of equipment .used in them<br>. chemical analysis<br>Preparing students to determine the normal levels of chemical compounds in the blood<br>Enable the student to identify the variables that can occur to chemical compounds in abnormal situations<br>The ability to diagnose various diseases based on changes that occur in the levels of these compounds in the blood and other body fluids<br>Ability to use equipment used in clinical chemistry laboratories | <b>Objectives of the subject Academic</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |



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| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Analysis methods used in<br>clinical chemistry<br>laboratories - qualitative<br>analysis - quantitative<br>analysis - types of<br>quantitative analysis                                                                                                                                                                                                                                                                                                                               | Introducing students to<br>methods of qualitative<br>and quantitative analysis<br>in clinical chemistry                  | ξ | ε |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Chromatography - Types of<br>chromatic analysis - Beer's<br>- law - Beer-Lambert's law<br>Standardsolution                                                                                                                                                                                                                                                                                                                                                                            | Introducing students to<br>chromatography methods<br>and standard solutions in<br>clinical chemistry                     | ξ | ο |
| ,Reports<br>Assignments<br>theoretical<br>exams Oral<br>and written   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Definition of<br>biochemistry - Definition<br>- of clinical chemistry<br>Body fluids and their<br>importance in conducting<br>clinical chemistry<br>examinations - Secretion<br>Collection of secretions -<br>and methods of<br>- preserving them<br>Formation of secretions<br>in the human body - The<br>normal rate of secretion<br>of secretions - Definition<br>of abundance of<br>secretions - Definition of<br>- scarcity of secretions<br>Definition of lack of<br>secretions | Introducing students to<br>methods of analyzing<br>urine and body fluids in<br>clinical chemistry                        | ξ | Ϛ |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Natural and abnormal<br>- components of urine<br>- analysis of general urine<br>- clinical importance<br>urinary system stones and<br>their types - and the causes<br>of their formation                                                                                                                                                                                                                                                                                              | Introducing students to<br>methods of blood and<br>urine analysis in clinical<br>chemistry                               | ξ | ϣ |
| ,Reports<br>Assignments<br>theoretical<br>exams Oral<br>and written   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | - Blood - blood collection<br>blood plasma - blood<br>serum - the difference<br>between plasma and blood<br>serum and how to obtain<br>- each of them<br>anticoagulants - the most<br>important types of<br>anticoagulants used in<br>- clinical chemistry                                                                                                                                                                                                                            | Introducing students to<br>methods of analyzing<br>blood, blood proteins, and<br>anticoagulants in clinical<br>chemistry | ξ | ⋈ |

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|                                                                                    |                                                                                                              | sedimentation of blood proteins - the purpose of sedimentation of blood proteins when performing some clinical chemistry tests - The most important blood protein precipitants used in the field of clinical chemistry                                                                              |                                                                                          |   |    |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written              | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Electrolytes - the importance of electrolytes in the human body - types - of electrolytes - sodium its metabolism - its function - its clinical importance - potassium its metabolism - its function - its clinical importance - chloride - its - metabolism - its function its clinical importance | Introducing students to the types of electrolytes and their importance in the human body | ξ | ٩  |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>written and<br>quarterly | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | - Calcium - its metabolism its function - its clinical importance - Phosphorus its metabolism - its function - its clinical importance - Iron - its - metabolism - its function its clinical importance                                                                                             | Introducing students to the importance of calcium and its function in the human body     | ξ | ١٠ |

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| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Carbohydrate compounds - their sources - classification - glucose sugar - glucose metabolism - blood glucose level - factors that maintain blood glucose level - clinical importance of glucose - renal threshold and urine glucose level | Introducing students to the types of carbohydrate compounds and their importance in the human body | ξ | ١١ |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Diabetes - alternative energy - sources of its formation - ketone bodies blood acidification -                                                                                                                                            | Introducing students to diabetes and ketone bodies in the human body                               | ξ | ١٢ |



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| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | - Glucose tolerance test<br>preparing the patient for<br>the test - the most<br>important glucose<br>tolerance charts - normal<br>- chart - diabetes chart<br>poor storage process<br>- chart - flat chart<br>diabetes urine chart | introducing students to the<br>diagram of glucose and<br>urine in the human body                 | ε | ١٣ |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>laboratory           | Fats - their<br>classification - fat<br>metabolism - fats in<br>blood plasma - fatty<br>acids                                                                                                                                      | introducing students to the<br>types of fats and their<br>importance in the human<br>body        | ε | ١٤ |
| ,Reports<br>Assignments<br>theoretical<br>exams Oral<br>and written   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>laboratory           | Cholesterol - chemical<br>formula - presence of<br>cholesterol - cholesterol<br>metabolism - biosynthesis<br>of cholesterol - function of<br>cholesterol in the human<br>body - clinical importance<br>of cholesterol              | introducing students to the<br>types of cholesterol and<br>their importance in the<br>human body | ε | ١٥ |

## 11. Course Evaluation

Distribution Score from ١٠٠ onwards According to Tasks The taxpayer With it The student, for example Preparation  
Daily And exams Daily And oral And monthly and editorial and reports Etc

- Semester exam 40 marks
- Final exam 60 marks

## 12. Sources Learning and teaching

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Herbert Fromm and Mark Hargrove, Essentials of Biochemistry, 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Prescribed books( required)Methodology that found                                         |
| 1) / Chemistry Clinical / Muhammad Fathi Al-Hawari<br>Authority education Technical<br>2) Bound Chemistry Clinical / Muhammad symbolic Al-Omari / Authority education Technical<br>3) Chemistry Clinical Practical / Muhammad symbolic Al-Omari / Authority education Technical<br>4) - Chemistry General / correct slave God - Hana Salman Maysoon Suleiman / Authority education Technical<br>5) the control Quality For students Vsm Pharmacy / Mr Mohammed Abu Zaid / Authority education Technical<br>6) Devices Laboratory And the pharmacist / master Mohammed Abu Zaid / Authority education Technical<br>70<br>7) Chemistry Analytical / Dr . I will prostrate slave Al-Hamid / Authority education Technical | Main references( Sources)                                                                 |
| Jacob Anthikad, Nutrition and Biochemistry for Nurses, 1st Ed., 2009 .<br><br>Jaroslav Racek and Daniel Radja, Clinical Biochemistry, first ed, 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Books And references The support<br>Which Recommended ( scientific<br>,journalsreports ,( |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | References electronic, Locations Internet                                                 |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |
| Microbiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |
| <b>2. Course code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |
| IMA 114                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |
| <b>3.semester/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |
| First semester /level one                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |
| Presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |
| 30 Practical hours + ٣٠ theoretical hours / number of units ٤                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |
| Name: Abbas Hadi Hammadi<br>Email: abbas.hadi@ntu.edu.iq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |
| Identify different microorganisms ( germs, Parasites, viruses . and fungi) and diseases resulting from these microorganisms<br>Learn about the different techniques for isolating bacteria from clinical samples, as well as preparing culture media and .sterilization methods<br>Learn about sterilization and disinfection methods to get rid of microorganisms<br>.Learn about methods of treatment and prevention of diseases<br>The ability to diagnose bacteria, parasites and other disease-causing microorganisms<br>Preparing students to conduct antibiotic sensitivity tests | <b>Objectives of the subject Academic</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |



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|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---|---|
| ,Reports<br>Assignments, oral<br>and<br>written<br>theory<br>exams | Blackboard<br>PowerPoint<br>slides E-<br>learning<br>Conduct<br>experiments<br>laboratory | Bacterial spores: Types of<br>spores that are resistant to<br>environmental conditions | Students learn<br>about the types of<br>germs that are<br>resistant to<br>environmental<br>conditions | ξ | ۳ |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---|---|

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|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---|---|
| ,Reports<br>Assignments, oral<br>and<br>written<br>theory<br>exams   | Blackboard<br>PowerPoint<br>slides E-<br>learning<br>Conduct<br>experiments<br>laboratory                    | Environmental<br>conditions affect the<br>:growth of bacteria<br>,oxygen temperature<br>,humidityPH ,light ,<br>osmotic pressure, and<br>.culture medium<br>Stages of bacterial<br>growth: lag phase, log<br>phase, stationary<br>phase, and decline<br>phase. | Students learn<br>about the<br>environmental<br>conditions that<br>affect bacterial<br>growth | ξ | ξ |
| ,Reports<br>Assignments,<br>theoretical exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>laboratory               | :Inhibiting bacterial growth<br>sterilization and disinfection.                                                                                                                                                                                                | Students learn about<br>physical and<br>chemical disinfection<br>and sterilization<br>agents  | ξ | ۵ |
| ,Reports<br>Assignments,<br>theoretical exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | ,Sterilization by radiation<br>filtration, and chemical<br>sterilization.                                                                                                                                                                                      | Students learn about<br>disinfection, radiation<br>sterilization, and<br>other factors        | ξ | ۶ |
| ,Reports<br>Assignments,<br>theoretical exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | :Medical bacteria<br>,Staphylococcus aureus<br>,general characteristics<br>toxins, treatment of<br>pathogenesis.                                                                                                                                               | Students learn about<br>bacteria<br>Staphylococcus                                            | ξ | ۷ |

|                                                                      |                                                                                               |                                                                                                                                                                                                                                                                                                                                                       |                                                           |   |    |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---|----|
| ,Reports Assignments, theoretical exams Oral and written             | Blackboard slides<br>Education PowerPoint<br>Conducting experiments electronically laboratory | s.viridans bacterias.faecalis<br>,s.pyogenes general ,<br>structure, culture media,<br>. pathogenicity methods<br>Streptococcus pneumoniae<br>,bacteria : general structure<br>diseases, treatment.                                                                                                                                                   | Students learn about<br>bacteria Streptococci             | ε | ۸  |
| ,Reports Assignments, theoretical exams Oral And editorially         | Blackboard slides<br>Education PowerPoint<br>Conducting experiments electronically laboratory | group of bacteria : general<br>,structure, meningococci<br>.general structure, disease<br>Mycobacteria: - Types of<br>Mycobacterium<br>tuberculosis, general<br>,structure, culture, resistance<br>,culture media , pathogen<br>.definition, treatment<br>:Mycobacterium leprae<br>,general characteristics<br>,pathogenesis, diagnosis<br>treatment. | Students learn about<br>Neisseria bacteria                | ε | ۹  |
| ,Reports Assignments, theoretical exams , Oral written and quarterly | Blackboard slides<br>Education PowerPoint<br>Conducting experiments electronically laboratory | bacteria (anaerobic): general<br>characteristics, Clostridium<br>tetani: description, disease<br>factors that promote growth<br>in wounds, prevention and<br>treatment.                                                                                                                                                                               | Students learn about<br>anaerobic clostridium<br>bacteria | ε | ۱۰ |

|                                                          |                                                                                    |                                                                                                                                                                                                    |                                                                   |   |    |
|----------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---|----|
| ,Reports Assignments, theoretical exams Oral and written | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation laboratory | :Clostridium gas gangrene<br>,description, disease<br>,treatment, food poisoning<br>,toxins secreted in foods<br>.symptoms, treatment<br>,Bacillus anthracis<br>,description, disease<br>treatment | Students learn about<br>the anaerobic<br>bacterium<br>Clostridium | ε | ۱۱ |
| ,Reports Assignments, theoretical exams Oral and written | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation            | Types of intestinal<br>bacteria, medical<br>importance, general<br>,characteristics<br>identification of culture<br>media . Enteropathogenic<br>bacteria, Salmonella                               | Students learn about<br>the types of intestinal<br>bacteria       | ε | ۱۲ |

|                                                                     |                                                                                                              |                                                                                                                                                            |                                           |   |    |
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|                                                                     | laboratory                                                                                                   | ,group, Salmonella typhi<br>,Salmonella paratyphi<br>.Salmonella typhimurium<br>Symptoms of poisoning<br>and treatment                                     |                                           |   |    |
| ,Reports<br>Assignments<br>theoretical exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>laboratory               | ,Shigella, disease<br>,treatment, food poisoning<br>symptoms, proteus<br>,bacteria , description<br>culture media                                          | Students learn about<br>shigella bacteria | ξ | ١٣ |
| ,Reports<br>Assignments<br>theoretical exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Brucella, general<br>,diagnosis , disease<br>.prognosis, treatment<br>,Bordetella description<br>morphology , culture<br>media , disease and<br>treatment. | Students learn about<br>Brucella bacteria | ξ | ١٤ |
| ,Reports<br>Assignments<br>theoretical exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | bacteria , general<br>,characteristics, disease<br>, general characteristics<br>treatment                                                                  | Students learn about<br>cholera bacteria  | ξ | ١٥ |

## 11. Course Evaluation

Distribution Score from ١٠٠ onwards According to Tasks The taxpayer With it The student, for example  
Preparation Daily And exams Daily And oral And monthly a ndeditorial andreports Etc

- Semester exam 40 marks
- Final exam 60 marks

| 12. Sources Learning and teaching                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Medical microbiology / Dr. Mahdi Al-Sammak / Ministry of Health<br>١٩٨٣ -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Prescribed books( required)Methodology that<br>found                                     |
| <p>Review of medical microbiology 14t Edition Tawetz, Ji Melnigk, E, A. Adelberg. 1980.</p> <p>Richard A. Harvey, Pamela C. Champe &amp; Bruce D. Fisher 2007: Lippincott's Illustrated Reviews: Microbiology, 2nd edition. Lippincott Williams &amp; Wilkins co. USA.</p> <p>Katherine N. Ward, A. Christine McCartney &amp; Bishan Thakker 2009 Notes On Medical Microbiology, 2nd edition. Churchill Livingstone Elsevier. UK.</p> <p>Marjorie Kelly Cowan &amp; Kathleen Park Talaro 2006: Art Notebook “Microbiology”, 1st edition. The McGraw-Hill Companies Inc., USA.</p> | Main references( Sources)                                                                |
| <p>A short text book of medical microbiology By, Satish Gupt, Endia - 1987.</p> <p>Morello, Mizer &amp; Granato 2006: Laboratory manual and Workbook in Microbiology “Application to patient care”, Eighth edition. The McGraw-Hill Companies Inc., USA.</p>                                                                                                                                                                                                                                                                                                                      | Books And references The support Which<br>( Recommended ( scientific journals<br>reports |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | References electronic, Locations Internet                                                |



|                                                                                                                                                                                                                                                                                                                                                                                                                              |                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |
| Principles of first aid                                                                                                                                                                                                                                                                                                                                                                                                      |                                               |
| <b>2. Course code</b>                                                                                                                                                                                                                                                                                                                                                                                                        |                                               |
| IMA 110                                                                                                                                                                                                                                                                                                                                                                                                                      |                                               |
| <b>3.semester/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                       |                                               |
| First semester /level one                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                      |                                               |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                        |                                               |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                          |                                               |
| Practical hours + ٣٠ theoretical hours / number of units ٤ ٣٠                                                                                                                                                                                                                                                                                                                                                                |                                               |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                   |                                               |
| Name: Mohamed Mahmoud headache<br>Email: mohammed.mahmood394@gmail.com                                                                                                                                                                                                                                                                                                                                                       |                                               |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
| ,Providing the student with general information about first aid<br>Its components, tools and system<br>, Knowledge of the mechanics of injuries, external trauma<br>bleeding and its types, epilepsy and its types and its causes<br>Enabling the student to know the symptoms and signs of<br>cardiac arrest, the clinical examination of sudden death, and<br>.the symptoms of cardiogenic shock and chronic heart failure | <b>Objectives of the<br/>subject Academic</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                |                                               |



|                                                                       |                                                                                                              |                                                                                                                                                                                                                 |                                                                                  |   |   |
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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentat<br>ion<br>laboratory           | ,Ambulances<br>transportation, working<br>,with hospital staff<br>working with public safety<br>agencies.                                                                                                       | Students learn<br>about<br>transportation and<br>ambulances                      | ξ | ξ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | The emotional aspect of<br>emergency care, death and<br>dying, the grieving<br>process, coping with the<br>patient and family<br>members, primary care of<br>the dying patient, and<br>critically ill patients. | Students learn about<br>the emotional side of<br>emergency care                  | ξ | ο |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | ,Physical signs of death<br>hypothetical signs of<br>,death, final signs of death<br>medical examination cases<br>.                                                                                             | Students recognize<br>the physical signs of<br>death                             | ξ | Ϛ |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | ,Anxiety, pain, fear<br>hostility, depression, and<br>receiving bad news                                                                                                                                        | Students learn about<br>the emotional side of<br>emergency care                  | ξ | γ |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Infectious diseases (modes<br>of transmission), risk<br>reduction and prevention<br>system And personal<br>protection.                                                                                          | Students learn about<br>the methods of<br>transmission of<br>infectious diseases | ξ | λ |

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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written                 | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Shocks , kinetic theory of<br>shocks          | Students learn about<br>types of trauma                   | ξ | ٩  |
| ,Reports<br>Assignments<br>theoretical ,<br>, exams Oral<br>written and<br>quarterly | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>laboratory               | Bleeding, its types, causes<br>and treatment. | Students learn about<br>bleeding, its types<br>and causes | ξ | ١٠ |

|                                                                       |                                                                                                |                                                                                 |                                                                                   |   |    |
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| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>laboratory | ,Blood clots, their types<br>causes and management.                             | Students learn about<br>the types and causes<br>of blood clots                    | ξ | ١١ |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>laboratory | Injuries, soft tissue<br>,injuries, eye injuries<br>facial and throat injuries. | Students learn about<br>types of injuries and<br>soft tissue injuries             | ξ | ١٢ |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>laboratory | Chest injuries, abdominal<br>injuries, stones, head and<br>spine injuries.      | Students learn about<br>the types of chest<br>injuries and<br>abdominal injuries  | ξ | ١٣ |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting                                  | ,Heart structure<br>circulatory function, and<br>arteriosclerosis.              | Students learn about<br>the structure of the<br>heart and circulatory<br>function | ξ | ١٤ |

|                                                                       |                                                                                                |                                                                                                                           |                                                                        |   |    |
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|                                                                       | experiments<br>electronically<br>laboratory                                                    |                                                                                                                           |                                                                        |   |    |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>laboratory | Heart attack, signs and<br>,symptoms of a heart attack<br>physical consequences of<br>sudden death, cardiogenic<br>shock. | Students learn about<br>the signs and<br>symptoms of a heart<br>attack | 4 | 10 |

## 11. Course Evaluation

Distribution Score from 100 onwards According to Tasks The taxpayer With it The student, for example Preparation  
Daily And exams Daily And oral And monthly

- Semester exam 40 marks
- Final exam 60marks

## 12. Sources Learning and teaching

Public Health - Dr. Khader Daoud Suleiman, Dr. Muhammad  
Youssef Ministry of Higher Education and Scientific Research  
University of Mosul 1988 /

Prescribed books( required)Methodology that  
found

First Aid for the USMLE Step 1- Tao Le, Vikas Bhushan,  
Matthew Sochat, Yash Chavda, Andrew Zureick - 2020

Main references( Sources)

|                                                                                                                              |                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Emergency First Aid: Recognition and Response to Medical Emergencies- American College of Emergency Physicians (ACEP) – 2016 | Books And references The support Which ,Recommended ( scientific journalsreports |
| The Complete First Aid Pocket Guide - John Furst - 2018                                                                      | ,                                                                                |
|                                                                                                                              | References electronic, Locations Internet                                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |
| Computer                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |
| <b>2. Course code</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                                                  |
| NTU102                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |
| <b>3.semester/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |
| First semester /level one                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                |                                                  |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                  |                                                  |
| 15 Practical hours + ١٥ theoretical hours / number of units ٣                                                                                                                                                                                                                                                                                                                                                                        |                                                  |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                           |                                                  |
| Name: Ahmed Qasim Muzail<br>Email: ahmed.qm@ntu.edu.iq                                                                                                                                                                                                                                                                                                                                                                               |                                                  |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  |
| <p>The student must be able to deal with a computer, be familiar with its use, and understand how to use its software. The ability to work on a calculator and Internet principles in the field of .specialization</p> <p>Aim to this The decision to study Programs Windows, Microsoft Word and training the student to use Its basics And his tools that serve Student for .years Coming in all Domains Academic and practical</p> | <p><b>Objectives of the subject Academic</b></p> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                               |
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| -Strategy Storm<br>mental- Strategy<br>Work group-<br>Discussion strategy<br>- Strategy Study case -<br>Inductive teaching strategy<br>- Concept maps strategy<br>- Strategy Training Field<br>Practical- Self-learning<br>strategy<br>-Strategy Education Electronic<br><br>-Strategy Study<br>- Strategy Conclusion<br>- Strategy Practice<br>Divergent strategy<br>Switch Between<br>Strategic ideas for<br>presenting examples | <b>Strategies Education</b><br><br><b>Strategies Learning</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|

## 10. Course Structure :

| Method Evaluation                                                      | Learning method                                                                                              | Name Unit or Topic                                                                                                                                                                                                                                      | Outputs The required learning                                           | Hours | weeks |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------|-------|
| ,Reports<br>Assignments<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | An introduction to<br>computers: their generations<br>their components: hardware -<br>and software- system)<br>software and application<br>(programs)                                                                                                   | Students learn about the<br>types of computers and<br>their generations | ۲     | 1     |
| ,Reports<br>Assignments<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | MS-DOS : operating system<br>The concept of the operating<br>- system - the system signal<br>disks - directories, their<br>levels and files - internal<br>operating system commands<br>- and external commands<br>the most commonly used)<br>(commands) | Students learn about the<br>MS-DOS operating<br>system                  | ۲     | 2     |
| ,Reports<br>Assignments<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Internal operating system<br>:commands<br>Internal commands :Dir – Del – Time<br>– Date – Cls – RD – CD – MD<br>– Echo – Ren – Copy – Vol –<br>Ver – Path.                                                                                              | Students learn about<br>internal operating<br>system command types      | 2     | 3     |



|                                                                                   |                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                         |   |   |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---|---|
| <p>Reports<br/>Assignments<br/>theoretical<br/>exams<br/>Oral and<br/>written</p> | <p>Blackboard<br/>slides<br/>Education<br/>PowerPoint<br/>Conducting<br/>experiments<br/>electronically<br/>laboratory</p> | <p>Windows : operating system<br/>The concept of the Windows system its advantages - its -<br/>- basic requirements<br/>- operating the system<br/>components of the main desktop screen- the concept of the icon the method of - dealing with mouse activities<br/>- the importance and components of the Task Bar- using Start to enter programs the concept of tasks Loaded - Exit the system and turn off – the calculator Shut Down .</p> | <p>Students learn about the Windows operating system</p>                                                | ۲ | 4 |
| <p>Reports<br/>Assignments<br/>theoretical<br/>exams<br/>Oral and<br/>written</p> | <p>Blackboard<br/>slides<br/>Education<br/>PowerPoint<br/>Conducting<br/>experiments<br/>electronically<br/>laboratory</p> | <p>The concept of the window for any program and learning - about its main components dealing with desktop icons ) such as My Computer - My Documents - Recycle Bin (</p>                                                                                                                                                                                                                                                                      | <p>Students learn about the concept of a window for any program and learn about its main components</p> | ۲ | 5 |
| <p>Reports<br/>Assignments<br/>theoretical<br/>exams<br/>Oral and<br/>written</p> | <p>Blackboard<br/>slides<br/>Education<br/>PowerPoint<br/>Conducting<br/>experiments<br/>electronically<br/>laboratory</p> | <p>Identifying the components of My Computer in terms of - disks - folders and files how to deal with - formatting floppy disks - copying folders and files - taking advantage of cutting and pasting and knowing the properties of disks, folders and files - dealing with the trash and how to delete and retrieve files through what the trash provides in this the . side</p>                                                              | <p>Students learn about the components of My Computer</p>                                               | ۲ | 7 |
| <p>Reports<br/>Assignments<br/>theoretical<br/>exams<br/>Oral and<br/>written</p> | <p>Blackboard<br/>slides<br/>Education<br/>PowerPoint<br/>Conducting<br/>experiments<br/>electronically<br/>laboratory</p> | <p>Taking advantage of the Control Panel programs, such as the Mouse icon and the Display icon , how to change the desktop wallpaper, control the screen saver, and change the appearance and colors of window menus - the Add - Remove program icon in .adding and deleting programs</p>                                                                                                                                                      | <p>Students learn about Windows system icons</p>                                                        | ۲ | 7 |
| <p>Reports<br/>Assignments<br/>theoretical<br/>exams<br/>Oral and<br/>written</p> | <p>Blackboard<br/>slides<br/>Education<br/>PowerPoint<br/>Conducting<br/>experiments<br/>electronically</p>                | <p>Take advantage of the Run option to execute programs directly, as well as switch to the MS-DOS operating system signal and deal with its .commands</p>                                                                                                                                                                                                                                                                                      | <p>an Students learn about option Run</p>                                                               | ۲ | 8 |

|                                                                                                 |                                                                                                              |                                                                              |                                                                           |   |    |
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|                                                                                                 | laboratory                                                                                                   |                                                                              |                                                                           |   |    |
| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams<br>Oral and<br>written                     | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Use entertainment programs<br>such as Window media player<br>.to play movies | Students recognize the<br>icons of entertainment<br>programs              | ۲ | 9  |
| ,Reports<br>Assignment<br>,s<br>theoretical<br>exams<br>Oral and<br>written<br>And a<br>chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Take advantage of additional<br>programssuch as the<br>. Calculator          | Students are introduced to<br>additional software such<br>as a calculator | ۲ | 10 |

|                                                                             |                                                                                                              |                                                                                                                                                    |                                                              |   |    |
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| ,Reports<br>Assignme<br>,nts<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Working with the Paint<br>programto create, save, and<br>retrieve drawings through the<br>.commands it provides                                    | Students learn how<br>Dealing with the drawing<br>program    | ۲ | 11 |
| ,Reports<br>Assignme<br>,nts<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | the NotePad andWordPad<br>,notes window in writing<br>,saving, retrieving, printing<br>and changing the printing<br>.style and formatting of texts | Students learn how<br>Working with the Notes<br>window       | ۲ | 12 |
| ,Reports<br>Assignme<br>,nts<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Learn how to get helpand its<br>.different methods                                                                                                 | Students learn how<br>Dealing with the<br>assistance program | ۲ | 13 |

|                                                                                                                                                                                              |                                                                                                              |                                                                                                                                                                                                                          |                                            |   |    |
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| ,Reports<br>Assignments<br>,nts<br>theoretical<br>exams<br>Oral and<br>written                                                                                                               | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | The concept of computer<br>viruses: how to become<br>,infected - their types<br>treatment, and dealing<br>with them through anti-<br>virus programs available<br>within the Windows<br>operating system<br>. environment | Students learn how<br>Dealing with viruses | ۲ | 14 |
| ,Reports<br>Assignments<br>,nts<br>theoretical<br>exams<br>Oral and<br>written                                                                                                               | Blackboard<br>slides<br>Education<br>PowerPoint<br>Conducting<br>experiments<br>electronically<br>laboratory | Dealing with the trash and how<br>to delete and retrieve files<br>through what the trash provides<br>.in this aspect                                                                                                     | Students learn how<br>Dealing with trash   | ۲ | 15 |
| <b>11. Course Evaluation</b>                                                                                                                                                                 |                                                                                                              |                                                                                                                                                                                                                          |                                            |   |    |
| Distribution Score from ۱۰۰ onwards According to Tasks The taxpayer With it The student, for example<br>Preparation Daily And exams Daily And oral And monthly and editorial and reports Etc |                                                                                                              |                                                                                                                                                                                                                          |                                            |   |    |
| - Semester exam 40 marks<br>- Final exam 60 marks                                                                                                                                            |                                                                                                              |                                                                                                                                                                                                                          |                                            |   |    |

## 12. Sources Learning and teaching

|                                                                                           |                                                                                                                                                                                          |
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| Prescribed books( required)<br>Methodology that<br>found                                  | Structure and Interpretation of Computer Programs- Harold<br>Abelson, Gerald Jay Sussman, Julie Sussman – 1985.<br><br>Introduction to the Theory of Computation - Michael Sipser - 1996 |
| Main references( Sources)                                                                 | Computer Organization and Design: The Hardware/Software<br>Interface - David A. Patterson, John L. Hennessy - 1994                                                                       |
| Books And references The support<br>) Which Recommended<br>scientific journals , reports) | Operating System Concepts - Abraham Silberschatz, Peter B. Galvin,<br>Greg Gagne - 1983                                                                                                  |
| References electronic, Locations Internet                                                 | <a href="https://www.microsoft.com/software-download/windows11">https://www.microsoft.com/software- download/windows11</a>                                                               |

|                                                                                                                                                                                                                                                                            |                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>1. Course Name :</b>                                                                                                                                                                                                                                                    |                               |
| Terminology Medical                                                                                                                                                                                                                                                        |                               |
| <b>2. Course code</b>                                                                                                                                                                                                                                                      |                               |
| TIDO 109                                                                                                                                                                                                                                                                   |                               |
| <b>3. Semester/Year</b>                                                                                                                                                                                                                                                    |                               |
| First semester /level one                                                                                                                                                                                                                                                  |                               |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                    |                               |
| 16-9-2024                                                                                                                                                                                                                                                                  |                               |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                      |                               |
| presence                                                                                                                                                                                                                                                                   |                               |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                        |                               |
| 15 theoretical hours / number of units ٢                                                                                                                                                                                                                                   |                               |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                 |                               |
| Name: Abbas Hadi Hammadi                                                                                                                                                                                                                                                   |                               |
| Email: abbas.hadi@ntu.edu.iq                                                                                                                                                                                                                                               |                               |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                |                               |
| <p>In This The decision , Students learn to pronounce medical terms used in health care settings</p> <p>The student will be able to use a word construction strategy that helps them discover connections and relationships between word roots, prefixes, and suffixes</p> | <b>Goals Article Academic</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                              |                               |



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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>powerpoint e-<br>learning             | Genital organs and<br>urinary tract                                              | Students recognize the<br>description The term Important<br>medical For both devices<br>Kidney And reproductive.                | ٢ | ٤ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Digestive                                                                        | Students recognize the<br>description The term<br>Medical The important thing for<br>the device Digestive.                      | ٢ | ٥ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Heart and cardiovascular<br>system                                               | Students recognize the<br>description The term<br>Important medical device<br>used in The device My heart<br>Vascular.          | ٢ | ٦ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | ,Symptoms, diagnosis<br>treatments, contact<br>qualifications and<br>.statistics | Students recognize the<br>description The term Important<br>medical field And treatment.                                        | ٢ | ٧ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Growth and<br>development                                                        | Students get to know<br>Description The term Medical<br>The important thing To grow<br>And development.                         | ٢ | ٨ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Women disease                                                                    | Students recognize the<br>description The term<br>Important medical<br>aspect of gynecology<br>And pregnancy And<br>childbirth. | ٢ | ٩ |

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|                                                                                                      |                                                               |          |                                                                                                             |   |    |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | the eyes | Students recognize the<br>description The term Medically<br>important for eye conditions<br>And dissect it. | ٢ | ١٠ |

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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>PowerPoint<br>slides<br>Education<br>Electronic | Nervous system        | Students recognize the<br>description The term Important<br>medical In The device Nervous<br>And disturbances Behavior. | ٢ | ١١ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Blood and<br>immunity | Students become familiar with<br>the term Medical<br>The important thing In Blood<br>And immunity.                      | ٢ | ١٢ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Bones and joints      | Students become familiar with<br>the term Medical<br>The important thing For bones<br>And the joints.                   | ٢ | ١٣ |
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Blood and<br>immunity | Students become familiar<br>with the term Medical<br>The important thing In Blood<br>And immunity.                      | ٢ | ١٤ |



|                                                                                                      |                                                               |                    |                                                                                 |   |    |
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| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Respiratory system | Students become familiar<br>with the term Medical for the<br>respiratory system | ٢ | ١٥ |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------|---|----|

## 11. Course Evaluation

Distribution Score from ١٠٠ onwards According to Tasks The taxpayer With it The student, for example Preparation  
Daily And exams Daily And oral And monthly a ndeditorial andreports Etc

- Semester exam ٣٠ marks
- Final exam ٧٠ marks

## 12. Sources Learning and teaching

|                                                                                                                                                                                                                                                                                                                                      |                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Edward C.C., (Ed.); A Short course in Medical Terminology;<br>Latest edition; Lipincott Williams and Wilkins .                                                                                                                                                                                                                       | Books The decision( required) Methodology<br>that found(                                           |
| The Language of Medicine -11th Edition by Davi-Ellen.<br>ISBN:9780323370813                                                                                                                                                                                                                                                          | Main references( Sources)                                                                          |
| <ul style="list-style-type: none"> <li>• Barbara A. Gyls, Regina M. Masters. Medical terminology simplified : a programmed learning approach by body systems; Latest edition.</li> <li>• Barbara Janson Cohen, Ann DePetrus. Medical terminology: an illustrated guide; Latest edition</li> <li>• Pharmacytimes (journal)</li> </ul> | Books And references The support Which<br>Recommended With it (journals<br>,scientific<br>Reports) |
|                                                                                                                                                                                                                                                                                                                                      | References electronic, Locations Internet                                                          |

|                                                                                                                                                                                      |                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                               |                                           |
| Humam rights and Democracy                                                                                                                                                           |                                           |
| <b>2. Course code</b>                                                                                                                                                                |                                           |
| NTU 100                                                                                                                                                                              |                                           |
| <b>3.semester/Year</b>                                                                                                                                                               |                                           |
| First semester /level one                                                                                                                                                            |                                           |
| <b>4. Description Preparation Date:</b>                                                                                                                                              |                                           |
| 16-9-2024                                                                                                                                                                            |                                           |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                |                                           |
| presence                                                                                                                                                                             |                                           |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                  |                                           |
| 30 Theoretical hour /number of units ٢                                                                                                                                               |                                           |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                           |                                           |
| Name: Amjad Hamid Shaker<br>Email: amgad8570@gmail.com                                                                                                                               |                                           |
| <b>8. Course Objectives :</b>                                                                                                                                                        |                                           |
| Recognition On Freedoms And rights For the individual And for the community And a role All Individual In it In terms of rights And dutiesIn addition To Policies State Miscellaneous | <b>Objectives of the subject Academic</b> |

## 9. Strategies Education and learning :

|                                                                                                                                                                                                                                                                                                                                                                  |                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <ul style="list-style-type: none"> <li>-Strategy Storm mental -</li> <li>Strategy Work group-</li> <li>Discussion strategy</li> <li>- Strategy Study case -</li> <li>Inductive teaching strategy-</li> <li>Concept maps strategy-</li> <li>Strategy Training Field Practical-</li> <li>Self-learning strategy</li> <li>-Strategy Education Electronic</li> </ul> | <p><b>Strategies Education</b></p> |
| <ul style="list-style-type: none"> <li>-Strategy Study</li> <li>- Strategy Conclusion -</li> <li>Strategy Practice divergent-</li> <li>Strategy Switch Between Ideas- Strategy for presenting examples</li> </ul>                                                                                                                                                | <p><b>Strategies Learning</b></p>  |

## 10. Course Structure :

| Method Evaluation                                                                              | Learning method                                                      | Name Unit or Topic                                                                                                                                                                                                                                                                          | Learning outcomes required                                          | Hours | week |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------|------|
| ,Reports<br>,Assignments<br>theoretical exams<br>Oral and written<br>semi -terms And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic        | Understood The state<br>The government/<br>legislative body/ To<br>start semesterBetween<br>Authorities                                                                                                                                                                                     | Students learn about<br>the concept of the state<br>.and government | ۲     | ۱    |
| ,Reports<br>Theoretical exams<br>Oral and written<br>semi -terms And a chapter                 | Blackboard<br>and<br>PowerPoint<br>slides<br>Education<br>Electronic | The executive body/ the<br>judicial body/ Council<br>Representatives in Their<br>discussions The<br>,decisions they take<br>with provisions                                                                                                                                                 | Students get to know<br>Understood Executive<br>body/ Judicial body | ۲     | ۲    |
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter                               | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic        | Repeat An idea Freedom/<br>First: Basic freedom or<br>Individual/ . Freedom ۱<br>Security and a sense of<br>reassurance/ . Freedom ۲<br>Go And back)<br>Transportation( / . ۳<br>Freedom, inviolability of<br>home and private life/ . ۴<br>Freedom Secret<br>Correspondence<br>Personality | Students learn about the<br>concept of the idea of<br>freedom       | ۲     | ۳    |

|                                                                  |                                                               |                                                                                                                                                                                                         |                                                                             |   |   |
|------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---|---|
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Freedom Intellectual and<br>cultural/<br>- Freedom Education ١/ -<br>Freedom ٢<br>To gather/ - Freedom ٣<br>Worship And the<br>doctrine/ - Freedom ٤<br>Opinion And<br>expression/ freedom<br>Political | Students learn about the<br>concept of freedom<br>Intellectual and cultural | ٢ | ٤ |
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Filtering in Elections<br>- right Voting ٢ ١ -<br>Right ٣ Elections<br>Periodicity- ٤<br>rights Criticism<br>The<br>government                                                                          | Students learn about the<br>concept Filtering in<br>Elections               | ٢ | ٥ |

|                                                                  |                                                               |                                                                                                                      |                                                                                        |   |    |
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| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | - Freedom Formation ٢<br>Associations<br>And joining To her- ٣<br>Freedom Formation<br>Unions And joining<br>To her: | Students learn about the<br>concept Freedom<br>Formation Associations<br>And unions    | ٢ | ٦  |
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Exam MD                                                                                                              | Students take the exam                                                                 | ٢ | ٧  |
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Freedom Economic And<br>social<br>- Freedom Practical ٢ ١ -<br>Freedom Ownership- ٣<br>Freedom Trade And industry    | Students learn about the<br>concept Freedom<br>Economic And social                     | ٢ | ٨  |
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | - Freedom Guarantee ٤<br>Social and care health/<br>Democracy                                                        | Students learn about the<br>concept Freedom<br>Guarantee Social and<br>social security | ٢ | ٩  |
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Democracy in Iraq                                                                                                    | Students learn about the<br>concept Democracy<br>in Iraq                               | ٢ | ١٠ |
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Election The association<br>Nationalism<br>Iraqi transitional                                                        | Students learn about the<br>concept Election<br>The association<br>Nationalism         | ٢ | ١١ |

|                                                                  |                                                               |                                                                                                  |                                                                                      |   |    |
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| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Goals Democracy                                                                                  | Students learn about the<br>concept of the goals of<br>democracy                     | ٢ | ١٢ |
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Shapes Democracy/<br>non- democracy<br>directly/ Democracy<br>Shaba<br>Directly                  | Students learn about the<br>concept Shapes<br>Democracy                              | ٢ | ١٣ |
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | People's participation In<br>Work<br>Legislative/ The proposal<br>Popular/<br>Referendum Popular | Students learn about the<br>concept People's<br>participation In<br>Legislative work | ٢ | ١٤ |
| Theory exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Types referendum/<br>Damage Referendum<br>year/ The<br>solution<br>Popular                       | Students learn about the<br>concept Types<br>Referendum                              | ٢ | ١٥ |

## 11. Course Evaluation

Distribution Degree From ١٠٠ On According to Tasks The taxpayer With it The student For example Preparation  
Daily And exams Daily And oral And monthly and editorial and reports Etc

Semester exam ٣٠ marks

Final exam: ٧٠ marks

## 12. Sources Learning and teaching

|                                                                                                                                         |                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Freedoms Public And democracy/Lectures University Al-<br>Mustansiriya<br>/ University of Babylon                                        | Books The decision( required)<br>Methodology that found(                |
| Democracy and Human Rights - Ahmed Al-Sayed Atta - ٢٠١٥<br><br>- Human Rights and Democracy in the Arab World - Hatem Al-Meligy<br>٢٠١٠ | Main references( Sources)                                               |
| - Human Rights in Islam and International Humanitarian Law<br>Muhammad Al-Shaiba - ٢٠٠٧                                                 | Books And references The support<br>Which Recommended With it (journals |

|  |                                           |
|--|-------------------------------------------|
|  | scientific, Reports)                      |
|  | References electronic, Locations Internet |

|                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |
| Arabic Language                                                                                                                                                                                                                                                                                                                                                                                                                           |                                               |
| <b>2. Course code</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                                               |
| NTU 103                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                               |
| <b>3.semester/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                               |
| First semester /level one                                                                                                                                                                                                                                                                                                                                                                                                                 |                                               |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                   |                                               |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                               |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                     |                                               |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                       |                                               |
| 30 theoretical hours / number of units ٣                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                |                                               |
| Name: Ezz El-Din Abdel Rahim Hamad<br>Email: azzlidden@gmail.com                                                                                                                                                                                                                                                                                                                                                                          |                                               |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                                                                                               |                                               |
| 1- The goal Basic for language Arabic that He can Students Who Their language which they speak. Students Immediate ambulance By the rules Linguistics And repeat Remember it And employ them<br>2- Definition in The Conversation and writing.<br>3- Recognition On Culture Arabic and its heritage The huge one.<br>4- Study some text and the pieces Literary Famein Literature Arabic.<br>5- Study Rules Writing And dictation Sound . | <b>Objectives of the subject<br/>Academic</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                             |                                               |

|                                                                                                                                                                                                                                                     |                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <p>Strategy Storm Mental. -</p> <p>Strategy -</p> <p>Discussion. Self- -</p> <p>learning strategy -</p> <p>strategy Education</p> <p>Electronic</p> <p>Memory strategy -</p> <p>Strategy Deduction Ideas. -</p> <p>Strategy Provide examples. -</p> | <p><b>Strategies Education</b></p> <p><b>Strategies Learning</b></p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|

## 10. Course Structure :

| Method Evaluation                                                                                    | Learning method                                               | Name Unit or Topic                                                                             | Learning outcomes required                                                                                             | Hours | weekss |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------|--------|
| ,Reports<br>,Assignments<br>theoretical<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | introduction on Errors<br>Linguistic – T Bound And<br>the long one And the ta<br>Open          | - that He knows<br>The student<br>The meaning<br>of the language<br>in the<br>dictionary and<br>linguistic errors<br>. | ٢     | ١      |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | rules writing A<br>thousand Stretched<br>And the cabin - The<br>letters Solar And the<br>lunar | - Knowledge<br>How writing<br>The solar and lunar<br>letters in Language<br>Arabic.                                    | ٢     | ٢      |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | The opposite And Za<br>and                                                                     | - Definition<br>Students<br>Using The correct<br>rule For the opposite<br>And Za and In<br>Arabic.                     | ٢     | ٣      |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | writing The whisper H                                                                          | - Definition<br>Students By one<br>Most important<br>Methods Arabic.<br>Writing the hamza                              | ٢     | ٤      |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Signs Numbering                                                                                | Definition Students<br>By one<br>Most important<br>Methods Arabic.<br>punctuation marks                                | ٢     | ٥      |



|                                                         |                                                         |                                                     |                                                                                                                    |   |    |
|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---|----|
|                                                         |                                                         |                                                     |                                                                                                                    |   |    |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | The noun, the verb, and the difference between them | Definition Students<br>By one<br>Most important Methods<br>Arabic.<br>Noun and verb                                | ٢ | ٦  |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Effects                                             | Definition Students<br>By one<br>Most important Methods<br>Arabic. Effects and actions                             | ٢ | ٧  |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | the number                                          | Definition Students<br>By one<br>Most important Methods<br>Arabic. preparation                                     | ٢ | ٨  |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Applications of common linguistic errors ١          | Definition Students<br>Linguistic errors in the Arabic language                                                    | ٢ | ٩  |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Applications of common linguistic errors ٢          | Definition Students<br>Linguistic errors in the Arabic language                                                    | ٢ | ١٠ |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | The nun And the intention Meanings letters Traction | Definition Students<br>By one<br>Most important Methods<br>Arabic.<br>Prepositions                                 | ٢ | ١١ |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Aspects Formalism For speech Management Y ١         | Definition Students<br>By one<br>Most important Methods<br>Arabic.<br>The form of the administrative letter        | ٢ | ١٢ |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | language the speech Management Y ١                  | Introduce the students to one<br>The most important methods of Arabic.<br>The language of administrative discourse | ٢ | ١٣ |

|                                                         |                                                   |                                          |                                                                                                                                 |   |    |
|---------------------------------------------------------|---------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---|----|
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides Education PowerPoint Electronic | language the speech Management Y ٢       | Introduce the students to one The most important methods of Arabic. The language of administrative discourse                    | ٢ | ١٤ |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides Education PowerPoint Electronic | Forms from Correspondence Administrative | Introduce the students to someone The most important methods of Arabic. The language of the administrative correspondence model | ٢ | ١٥ |

## 11. Course Evaluation

Distribution Score from ١٠٠ onwards According to Tasks The taxpayer With it The student, for example Preparation Daily And exams Daily And oral And monthly And editorial And reports Etc

-Semester exam: ٣٠ marks  
Final exam ٧٠ marks

## 12. Sources Learning and teaching

|                                                                                                                                |                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| - Basic rules in the Arabic language - Muhammad Hussein Al-Masoumi ٢٠٠٨                                                        | Prescribed books( required) Methodology that found(                                    |
| Introduction to Arabic linguistics. Abdullah Al-Taie . ٢٠١٥<br>Contemporary Arabic Literature- Muhammad Muhammad Hussein- ٢٠١٠ | Main references( Sources )                                                             |
| Abdul Rahman Al-Fawzan - ٢٠١٦ - Arabic grammar, first level                                                                    | Books And references The support Which Recommended ( scientific journals , reports ) ( |
| Nour Library To download Books Free.                                                                                           | ,References electronic Locations Internet                                              |

|                                                                                                                                                                                                                                                                                                                    |                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                             |                                                 |
| English Language                                                                                                                                                                                                                                                                                                   |                                                 |
| <b>2. Course code</b>                                                                                                                                                                                                                                                                                              |                                                 |
| NTU101                                                                                                                                                                                                                                                                                                             |                                                 |
| <b>3.semester/Year</b>                                                                                                                                                                                                                                                                                             |                                                 |
| First semester /level one                                                                                                                                                                                                                                                                                          |                                                 |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                            |                                                 |
| 16-9-2024                                                                                                                                                                                                                                                                                                          |                                                 |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                              |                                                 |
| presence                                                                                                                                                                                                                                                                                                           |                                                 |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                |                                                 |
| 30 theoretical hours / number of units ٢                                                                                                                                                                                                                                                                           |                                                 |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                         |                                                 |
| Name: Mustafa Majeed Amin<br>Email: Mustafamajeed018@gmail.com                                                                                                                                                                                                                                                     |                                                 |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                        |                                                 |
| 1- The goal Basic Language English that He can Students learn about the basics of the English language and its general rules-<br>2- Recognition On the way to conversations . And quote medical conversations<br>3 - Study Some Texts And the pieces Literary Fame<br>4- Study Rules Writing And dictation Sound . | <b>Objectives of the subject Academic</b>       |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                      |                                                 |
| Strategy Storm Mental.<br>Strategy Discussion<br>. Self-learning<br>strategy strategy<br>Education<br>Electronic                                                                                                                                                                                                   | -<br>-<br>-<br>-<br><b>Strategies Education</b> |

|                                                                                                       |                                                               |                                                                                 |                                                                                     |       |       |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|-------|
| Memory strategy -<br>Strategy Deduction Ideas. -<br>Strategy Provide examples. -                      |                                                               |                                                                                 | Strategies Learning                                                                 |       |       |
| 10. Course Structure :                                                                                |                                                               |                                                                                 |                                                                                     |       |       |
| Method Evaluation                                                                                     | Learning method                                               | Name Unit or Topic                                                              | Learning outcomes required                                                          | Hours | weeks |
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Definition of basic English terms.                                              | Definition Familiarize<br>students with basic English<br>terms                      | ٢     | ١     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | English language: How many<br>three units are there in the<br>English language? | Definition Students in the<br>number of three units in the<br>English language.     | ٢     | ٢     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | The eight parts of speech.                                                      | Definition Students<br>Using The rule The<br>correct health For<br>parts of speech. | ٢     | ٣     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Parts of speech٢.                                                               | Introducing the<br>students<br>Using the correct<br>rule for parts of<br>speech     | ٢     | ٤     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | conversation                                                                    | Instructing students<br>to use the correct<br>rules of conversation                 | ٢     | ٥     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a<br>chapter                                | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Sections of verbs                                                               | Students' knowledge<br>of using verbs                                               | ٢     | ٦     |

|                                                            |                                                         |                              |                                                                  |   |    |
|------------------------------------------------------------|---------------------------------------------------------|------------------------------|------------------------------------------------------------------|---|----|
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Verbs of being ١             | Students' knowledge of using being and future verbs              | ٢ | ٧  |
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Verbs of Being ٢             | Students' knowledge of using being and future verbs              | ٢ | ٨  |
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Prepositions ١               | Students' knowledge of using prepositions                        | ٢ | ٩  |
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Prepositions ٢               | Students' knowledge of using prepositions                        | ٢ | ١٠ |
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | punctuation marks            | Students' knowledge of using punctuation                         | ٢ | ١١ |
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Simple past tense            | Students familiarize themselves with the use of past tense verbs | ٢ | ١٢ |
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Past simple continuous tense | Students familiarize themselves with the use of past tense verbs | ٢ | ١٣ |

|                                                            |                                                          |                 |                                                                  |   |    |
|------------------------------------------------------------|----------------------------------------------------------|-----------------|------------------------------------------------------------------|---|----|
| Theory exams Oral and written semi -terms<br>And a chapter | Black board slides<br>Education PowerPoint<br>Electronic | Past Perfect    | Students familiarize themselves with the use of past tense verbs | ٢ | ١٤ |
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic  | Wholesale types | Familiarize students with using different types of sentences     | ٢ | ١٥ |

## 11. Course Evaluation

Distribution Score from ١٠٠ onwards According to Tasks The taxpayer With it The student, for example  
Preparation Daily And exams Daily And oral And monthly  
and editoria and reports Etc

- . The semester exam is ٤٠ marks -
- The final exam is ٦٠ marks

## 12. Sources Learning and teaching

|                                                                                                                                                                |                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| The Practice of English Language Teaching” (Jeremy Harmer).1983<br>Approaches and Methods in Language Teaching. Jack C. Richards and Theodore S. Rodgers. 2001 | Prescribed books( required) Methodology that found)                                |
| Using English Grammar, Raymond Murphy - ١٩٨٥                                                                                                                   | Main references( Sources)                                                          |
| Longman Dictionary of Modern English. ٢٠١٤                                                                                                                     | Books And references The support Which Recommended ( scientific ,journalsreports , |
| Nour Library To download Books Free.                                                                                                                           | References electronic, Locations Internet                                          |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |
| <b>Sport</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |
| <b>2. Course code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |
| NTU104                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |
| <b>3.semester/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |
| Second semester /level one                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| 15 theoretical hours / number of units ٢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |
| 15 Practicle hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |
| Name: Majid Hamid Abdul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |
| Email: majed.ha@ntu.edu.iq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |
| ١- Communicating information, knowledge, and mathematical skills to students at different academic levels<br>٢- Innovation, careful observation, planning , criticism and comparison in school physical education lessons and activities<br>٣- Creating a safe and healthy environment for learners to ensure effective learning<br>٤- Applying various evaluation methods to follow up and develop the school sports program and ensure that its goals are achieved<br>٥- Active and positive interaction with the community environment surrounding thework<br>6- Knowing the role of physical education and movement and sports - activities in establishing and consolidating social traditions and norms | <b>Objectives of the subject Academic</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <p>Strategy Explanation of study materials by academic staff</p> <p>- Strategy Knowledge Through homework assignments for academic vocabulary Strategy Discussion. Self-learning strategy Strategy Education Electronic</p> <p>Memory strategy Strategy Deduction Ideas. Strategy Providing examples and visiting the library and websites.</p> | <p>- <b>Strategies Education</b></p> <p>-</p> <p>- <b>Strategies Learning</b></p> <p>-</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|

## 10. Course Structure :

| Method Evaluation                                                                                     | Learning method                                               | Name Unit or Topic                             | Learning outcomes required                                                         | Hours | weeks |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------|-------|-------|
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | ,Sport: its definition<br>importance and types | Introducing the<br>students<br>Defining sports and its<br>importance               | ٢     | ١     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Mechanism of<br>human body<br>movement         | Knowledge Kinds of<br>sports                                                       | ٢     | ٢     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Common sports<br>injuries                      | Introducing the students<br>The types of injuries<br>that people are<br>exposed to | ٢     | ٣     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | basketball skills                              | Introducing the<br>students<br>Types of basketball skills                          | ٢     | ٤     |



|                                                         |                                                         |                                                                  |                                                   |   |    |
|---------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------|---|----|
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | International law of basketball                                  | Introducing the students By the laws of the game  | ۲ | ۵  |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Basic skills of table tennis and its international law           | 'Students knowledge of the types of tennis skills | ۲ | ۶  |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Basic skills of the game of volleyball and its international law | 'Students knowledge of the laws of the game       | ۲ | ۷  |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | swimming sport                                                   | Students' knowledge of swimming skills            | ۲ | ۸  |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Basic skills of tennis and its international law                 | Students' knowledge of the laws of the game       | ۲ | ۹  |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Basic skills of handball                                         | Students' knowledge of handball skills            | ۲ | ۱۰ |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | International law of handball                                    | Students' knowledge of the laws of the game       | ۲ | ۱۱ |

|                                                         |                                                   |                                                                |                                                    |   |    |
|---------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------|---|----|
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides Education PowerPoint Electronic | ) Arena and field games types , international law of (the game | Students' knowledge of arena and field skills      | ٢ | ١٢ |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides Education PowerPoint Electronic | Basic soccer skills                                            | Students' knowledge of football skills             | ٢ | ١٣ |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides Education PowerPoint Electronic | Managing sports competitions and competitions                  | Students' knowledge of how to manage competitions  | ٢ | ١٤ |
| Theory exams Oral and written semi -terms And a chapter | Blackboard slides Education PowerPoint Electronic | Sports laws and legislation                                    | Students' knowledge of sports laws and legislation | ٢ | ١٥ |

## 11. Course Evaluation

Distribution Score from ١٠٠ onwards According to Tasks The taxpayer With it The student, for example Preparation Daily And exams Daily And oral And monthly And editorial And reports Etc

- Semester exam ٤٠ marks
- Final exam 60 marks

## 12. Sources Learning and teaching

|                                                                                                                               |                                                    |
|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| basics : techniques, tactics and training. Michael Brindle and John Sobieski. ٢٠١٧<br>Sports Games . Mahmoud Abu Naeem / ٢٠٢٢ | Prescribed books( required)Methodology that found( |
| Principles of sports science and fitness. .Brennan Scott ٢٠١٨                                                                 | Main references( Sources)                          |

|                                                                            |                                                                                            |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Principles of statistical analysis in sports. .Dr.. David Al-Mawla<br>٢٠١٩ | Books And references The support Which<br>,Recommended ( scientific journals<br>reports ,( |
| Nour Library To download Books Free.                                       | References electronic, Locations Internet                                                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |
| Safety of laboratories and workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           |
| <b>2. Course code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |
| TIDO 108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| <b>3.semester/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |
| First semester /level one                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |
| 30 theoretical hours / number of units ٢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |
| Name: Safaa Abdel Razek Kamel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |
| Email: saidheg54@gmail.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |
| 1- To have the ability to deal with sources of danger in laboratories and workshops<br>2- To have the ability to think correctly and take appropriate action in the event of any circumstance occurring in the laboratory<br>3- To know the dangers of fires, how to deal with them, and the rules of fire prevention<br>4- To recognize the types of dangers that can be exposed to in laboratories<br>5- To be familiar with safety instructions in laboratories and workshops<br>6- To know what she must do before and after performing laboratory experiments | <b>Objectives of the subject Academic</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |

|                                                                                                                                                                                                                                                                                                                                                                    |                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <p>Strategy Explanation of study materials by academic staff</p> <p>Strategy Knowledge Through homework assignments for academic vocabulary</p> <p>Strategy Discussion. Self-learning strategy</p> <p>Strategy Education Electronic</p> <p>Memory strategy</p> <p>Strategy Deduction Ideas. Strategy Providing examples and visiting the library and websites.</p> | <p><b>Strategies Education</b></p> <p><b>Strategies Learning</b></p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|

## 10. Course Structure :

| Method Evaluation                                                                                 | Learning method                                               | Name Unit or Topic                                                                      | Learning outcomes required                                        | Hours | weekss |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------|--------|
| ,Reports<br>,Assignments<br>theoretical exams<br>Oral and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Basic equipment that must be available in the laboratory (laboratory arrangements)      | Introducing the students<br>With basic laboratory equipment       | ٢     | ١      |
| Theory exams Oral and written semi - terms<br>And a chapter                                       | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Safety precautions when dealing with laboratory tools and chemicals                     | Introducing the students<br>With safety precautions               | ٢     | ٢      |
| Theory exams Oral and written semi - terms<br>And a chapter                                       | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Safety precautions when completing laboratory work and storing and preserving materials | Introducing the students<br>With safety precautions               | ٢     | ٣      |
| Theory exams Oral and written semi - terms<br>And a chapter                                       | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Fires and their types. And means to extinguish it                                       | Introducing the students<br>Fires and means of extinguishing them | ٢     | ٤      |

|                                                                   |                                                               |                                                                                        |                                                                                               |   |    |
|-------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---|----|
| Theory exams Oral<br>and written semi -<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Fires and their types. And<br>means to extinguish it                                   | Introducing the students<br>Fires and means of<br>extinguishing them                          | ۲ | ۵  |
| Theory exams Oral<br>and written semi -<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Personal protective<br>equipment                                                       | 'Students<br>knowledge of<br>personal protective<br>equipment                                 | ۲ | ۶  |
| Theory exams Oral<br>and written semi -<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Chemical hazards and how<br>to deal with them                                          | 'Students<br>knowledge of<br>chemical hazards<br>and dealing with<br>them                     | ۲ | ۷  |
| Theory exams Oral<br>and written semi -<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Radiation hazards                                                                      | Students' knowledge of<br>radiation dangers and how<br>to deal with them                      | ۲ | ۸  |
| Theory exams Oral<br>and written semi -<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Biological hazards                                                                     | Students' knowledge of<br>biological hazards and<br>how to deal with them                     | ۲ | ۹  |
| Theory exams Oral<br>and written semi -<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Disposal of laboratory<br>(medical) waste<br>Use of warning signs in the<br>laboratory | Students' knowledge of<br>methods of disposing of<br>medical waste and how to<br>deal with it | ۲ | ۱۰ |
| Theory exams Oral<br>and written semi -<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Disposal of laboratory<br>(medical) waste<br>Use of warning signs in the<br>laboratory | Students' knowledge of<br>methods of disposing of<br>medical waste and how to<br>deal with it | ۲ | ۱۱ |

|                                                             |                                                            |                                                                                                  |                                                                  |   |    |
|-------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---|----|
| Theory exams Oral and written semi - terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | First aid in laboratories                                                                        | Students' knowledge of first aid skills                          | ۲ | ۱۲ |
| Theory exams Oral and written semi - terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | First aid in laboratories                                                                        | Students' knowledge of first aid skills                          | ۲ | ۱۳ |
| Theory exams Oral and written semi - terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Other environmental factors and their impact on ,safety and health (light (noise, heat, humidity | Students' knowledge of how to deal with factors affecting health | ۲ | ۱۴ |
| Theory exams Oral and written semi - terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Safety in field studies                                                                          | Students' knowledge of safety methods in field studies           | ۲ | ۱۵ |

## 11. Course Evaluation

Distribution Score from ۱۰۰ onwards According to Tasks The taxpayer With it The student, for example Preparation Daily And exams Daily And oral And monthly And editorial And reports Etc

- Semester exam: ۳۰ marks
- Final exam 70 marks

## 12. Sources Learning and teaching

Laboratory Safety for Chemistry Students. Robert H. Hill Jr. and David C. Finster.2016

Laboratory Safety: Principles and Practices. Neal Langerman.2017

Prescribed books( required) Methodology that found(

|                                                                                                                                                                                                                   |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Laboratory Safety: Theory and Practice . Robert H. Hill Jr. 2017                                                                                                                                                  | Main references( Sources)                                                           |
| Chemical Laboratory Safety and Security: A Guide to Developing Standard Operating Procedures. Division on Earth and Life Studies and National Research Council.2010<br>Safety in the Biology Lab. Bob Farber.2010 | Books And references The support ) Which Recommended ,scientific journalsreports ,( |
| Nour Library To download Books Free.                                                                                                                                                                              | References electronic, Locations Internet                                           |



|                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>1.Course name :</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |
| <b>Communication skills</b>                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |
| <b>2. Course code</b>                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| IMA 115                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |
| <b>3.semester/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |
| Second semester /level one                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                         |                                           |
| <b>16-9-2024</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                                           |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                             |                                           |
| <b>30 theoretical hours / number of units ٢</b>                                                                                                                                                                                                                                                                                                                                                                                 |                                           |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                      |                                           |
| <b>Name: Yasser Khalaf Hassan</b><br><b>Email: yassir.alsamarrai@gmail.com</b>                                                                                                                                                                                                                                                                                                                                                  |                                           |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |
| 1- Understanding the importance of communication skills in emergency and nursing practice.<br>2- Develop effective communication skills with patients, colleagues and families.<br>3- Identify non-verbal, verbal and written communication tools.<br>4- Applying communication skills in various emergency and nursing contexts , such as therapeutic guidance, communicating with .families, and dealing with difficult cases | <b>Objectives of the subject Academic</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                   |                                           |
| Strategy Explanation of study materials by academic staff<br>Strategy Knowledge Through homework assignments for                                                                                                                                                                                                                                                                                                                | - <b>Strategies Education</b>             |

|                                                                                                                                                                                                                                                          |                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <p>academic vocabulary<br/>Strategy Discussion.<br/>Self-learning strategy<br/>Strategy Education<br/>Electronic</p> <p>Memory strategy<br/>Strategy Deduction Ideas.<br/>Strategy Providing examples<br/>and visiting the library and<br/>websites.</p> | <p><b>Strategies Learning</b></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|

## 10. Course Structure :

| Method Evaluation                                                                                     | Learning method                                               | Name Unit or Topic                                                                                      | Learning outcomes required                                                          | Hours | weeks |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|-------|
| ,Reports<br>Assignments<br>theoretical ,<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Communication skills<br>tools and their types                                                           | Introducing the<br>students<br>Types of communication<br>skills                     | ٢     | ١     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | The importance of<br>communication<br>skills                                                            | Introducing the<br>students<br>The importance of<br>communication skills            | ٢     | ٢     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Stages of<br>communication<br>skills and<br>important tips for<br>developing<br>communication<br>skills | Introducing the students<br>Stages and tips on<br>communication skills              | ٢     | ٣     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Basic skills during the<br>patient's medical interview                                                  | Introducing the<br>students<br>Communication skills<br>during the patient interview | ٢     | ٤     |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter                                   | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Advanced skills during the<br>patient medical interview                                                 | Introducing the students<br>Advanced skills during<br>patient interview             | ٢     | ٥     |

|                                                                     |                                                               |                                                                                                         |                                                                                                                   |   |    |
|---------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---|----|
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Problems in<br>communication skills in the<br>medical field                                             | 'Students<br>knowledge of<br>equipment and<br>problems in<br>communication in<br>the medical field                | ۲ | ۶  |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Principles and rules for<br>communication skills in the<br>medical field                                | 'Students<br>knowledge of the<br>principles and rules<br>of communication<br>skills                               | ۲ | ۷  |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Methods and types of<br>communication skills to<br>improve the health<br>condition of patients          | Students' knowledge of<br>communication methods to<br>improve the health<br>condition of patients                 | ۲ | ۸  |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Psychological first aid                                                                                 | Students' knowledge of<br>psychological first aid                                                                 | ۲ | ۹  |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Principles of psychological<br>first aid for patients                                                   | Students' knowledge of the<br>methods and principles of<br>psychological first aid                                | ۲ | ۱۰ |
| Theory<br>exams Oral<br>and written<br>semi -terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Basics and techniques of<br>effective communication<br>skills with patients in<br>.emergency situations | Students' knowledge of<br>effective communication<br>methods and techniques in<br>various emergency<br>situations | ۲ | ۱۱ |

|                                                            |                                                         |                                                                                |                                                                                                            |   |    |
|------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---|----|
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | The use of technology in emergency situations and various emergency contexts   | Students' knowledge of diverse emergency skills and contexts                                               | ۲ | ۱۲ |
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Communication skills with members of emergency teams and other medical centers | Students' knowledge of communication skills with individuals in the medical field and in different centers | ۲ | ۱۳ |
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Communication skills with members of emergency teams and other medical centers | Students' knowledge of communication skills with individuals in the medical field and in different centers | ۲ | ۱۴ |
| Theory exams Oral and written semi -terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Staff assessment of communication skills and patient assessment                | Students' knowledge of evaluation methods to give realistic and thoughtful results                         | ۲ | ۱۵ |

## 11. Course Evaluation

Distribution Score from ۱۰۰ onwards According to Tasks The taxpayer With it The student, for example Preparation Daily And exams Daily And oral And monthly And editorial And reports Etc

- Semester exam: ۳۰ marks
- The final exam 70 marks

## 12. Sources Learning and teaching

|                                                                                                                                                                                  |                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Communication Skills for Nurses . Claire Boyd.2017                                                                                                                               | Prescribed books( required) Methodology that found                                 |
| Effective Communication Skills for Healthcare Professionals” by Philip Burnard.2017                                                                                              | Main references( Sources)                                                          |
| Therapeutic Communication for Health Care Professionals Cynthia Adams and Thuy Le. 2018<br><br>Emergency Nursing: The Profession, the Pathway, the Practice. Kathryn White. 2017 | Books And references The support Which Recommended ( scientific ,journalsreports , |

# **- Courses Description** **Second Level**



|                                                          |                                                            |                                                                                                                  |                                                                                 |       |      |
|----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------|------|
| Examples Strategy                                        |                                                            |                                                                                                                  |                                                                                 |       |      |
| 10.Course structure                                      |                                                            |                                                                                                                  |                                                                                 |       |      |
| Evaluation method                                        | Learning method                                            | Name of the unit or topic                                                                                        | Required learning outcomes                                                      | Hours | week |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ,Bandages, types evaluation before ,applying bandages basic turns of rotating bandages.                          | Introducing students to the basics and principles of emergency management       | ξ     | ١    |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ,Bandages, types evaluation before ,applying bandages basic turns of rotating bandages.                          | Introducing students to the types of bandages and .how to use them              | ξ     | ٢    |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ,Blood gas analysis intravenous fluid ,therapy, purposes types of intravenous solutions.                         | Introducing students to the types of intravenous solutions and how to use .them | ξ     | ٣    |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ,Blood gas analysis intravenous fluid ,therapy, purposes types of intravenous solutions.                         | Introducing students to the types of intravenous solutions and how to use .them | ξ     | ξ    |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Stroke, definition ,of stroke classification of ,stroke pathophysiology of stroke, regulation of blood pressure. | Introduce students to stroke and the pathophysiology of .stroke                 | ξ     | ο    |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Stroke, definition ,of stroke classification of ,stroke pathophysiology of stroke, regulation of blood pressure. | Introduce students to stroke and the pathophysiology of .stroke                 | ξ     | ٦    |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-                          | Penetrating chest ,wounds                                                                                        | Introducing students to penetrating chest wounds .and rib fractures             | ξ     | ٧    |

|                                                          |                                                            |                                                                                                         |                                                                                                      |   |    |
|----------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---|----|
|                                                          | learning, lab experiments                                  | hemothorax and pneumothorax, rib fractures.                                                             |                                                                                                      |   |    |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Penetrating chest wounds hemothorax and pneumothorax, rib fractures.                                    | Introducing students to penetrating chest wounds and rib fractures                                   | ε | ۸  |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ,Oxygen therapy nebulizer therapy.                                                                      | Introducing students to oxygen therapy and nebulizers                                                | ε | ۹  |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ,Oxygen therapy nebulizer therapy.                                                                      | Introducing students to oxygen therapy and nebulizers                                                | ε | ۱۰ |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Arrhythmia, types of arrhythmia nursing management of a patient suffering from arrhythmia.              | Introducing students to the types of heart rhythm disturbances                                       | ε | ۱۱ |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Arrhythmia, types of arrhythmia nursing management of a patient suffering from arrhythmia.              | Introducing students to the types of heart rhythm disturbances                                       | ε | ۱۲ |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Treatment of blood and its components, blood transfusion techniques complications of blood transfusion. | Introducing students to the types of blood transfusion techniques blood treatment and its components | ε | ۱۳ |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Treatment of blood and its components, blood transfusion techniques complications of blood transfusion. | Introducing students to the types of blood transfusion techniques blood treatment and its components | ε | ۱۴ |
| ,Reports, assignments oral and written theoretical exams | ,Blackboard PowerPoint slides, e-                          | Management of burn patients pathophysiology of                                                          | the Introduce students to pathophysiology of burns                                                   | ε | ۱۵ |



|                                                                                                                                                                     |                           |                                                         |                                                                            |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------|----------------------------------------------------------------------------|--|--|
|                                                                                                                                                                     | learning, lab experiments | burns, systemic ,response emergency phase of burn care. |                                                                            |  |  |
| <b>11. Course Evaluation</b>                                                                                                                                        |                           |                                                         |                                                                            |  |  |
| The grade is distributed out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc |                           |                                                         |                                                                            |  |  |
| Semester exam 40 marks-                                                                                                                                             |                           |                                                         |                                                                            |  |  |
| Final exam 60 points-                                                                                                                                               |                           |                                                         |                                                                            |  |  |
| <b>12. Learning and teaching resources</b>                                                                                                                          |                           |                                                         |                                                                            |  |  |
|                                                                                                                                                                     |                           |                                                         | Curriculum books, if any                                                   |  |  |
| Fred, Community Medicine, 5th ED. London 1984.<br><br>Kart Community Health Nursing Philadelphia 1981                                                               |                           |                                                         | Main References (Sources)                                                  |  |  |
| Bayer. M. Community health NURRSING In developing country Oxford - London 1976.                                                                                     |                           |                                                         | Recommended supporting books and references (scientific journals, reports) |  |  |
|                                                                                                                                                                     |                           |                                                         |                                                                            |  |  |
| <b>1. Course name</b>                                                                                                                                               |                           |                                                         |                                                                            |  |  |
| Critical Care Nursing                                                                                                                                               |                           |                                                         |                                                                            |  |  |
| <b>2. Course code</b>                                                                                                                                               |                           |                                                         |                                                                            |  |  |
| IMA 210                                                                                                                                                             |                           |                                                         |                                                                            |  |  |
| <b>3. Semester/Year</b>                                                                                                                                             |                           |                                                         |                                                                            |  |  |
| First Semester/ Level Two                                                                                                                                           |                           |                                                         |                                                                            |  |  |
| <b>4. Description Preparation Date:</b>                                                                                                                             |                           |                                                         |                                                                            |  |  |
| 2024-9-16                                                                                                                                                           |                           |                                                         |                                                                            |  |  |
| <b>5. Available Attendance Forms:</b>                                                                                                                               |                           |                                                         |                                                                            |  |  |
| Presence                                                                                                                                                            |                           |                                                         |                                                                            |  |  |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                 |                           |                                                         |                                                                            |  |  |
| 30 hours of practical work + 30 hours of theory / Number of units: 4                                                                                                |                           |                                                         |                                                                            |  |  |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                          |                           |                                                         |                                                                            |  |  |
| Name: Ban Abdul Jabbar Younis                                                                                                                                       |                           |                                                         |                                                                            |  |  |
| Email: Banaltaee59@gmail.com                                                                                                                                        |                           |                                                         |                                                                            |  |  |
| <b>8. Course objectives</b>                                                                                                                                         |                           |                                                         |                                                                            |  |  |
| Know the process of critical care nursing and how to assess health status                                                                                           |                           |                                                         |                                                                            |  |  |
| Knowing some diseases such as diabetes, blood pressure, asthma and other diseases                                                                                   |                           |                                                         |                                                                            |  |  |

Identify the basic elements (mineral salts and fluids) in the body, how they are distributed, and .know the biological balance

## 9. Teaching and learning strategies

|                                                                                                                                                                                                                                                                                                         |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Brainstorming strategy</b><br><b>Teamwork Strategy</b><br><b>Discussion strategy</b><br><b>Case Study Strategy</b><br><b>Inductive teaching strategy</b><br><b>Concept mapping strategy</b><br><b>Actual field training strategy</b><br><b>Self–education strategy</b><br><b>E–learning strategy</b> | <b>Education Strategies</b> |
| <b>Study strategy</b><br><b>Inference strategy</b><br><b>Spaced practice strategy</b><br><b>switching strategy</b><br><b>Examples Strategy</b>                                                                                                                                                          | <b>Learning strategies</b>  |

## 10. Course structure

|                                                          | Learning method                                            | Name of the unit or topic                                                                                               | Required learning outcomes                                                                    | Hours | week |
|----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------|------|
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Critical Thinking<br>,Nursing Process<br>,Health History<br>,Health Assessment<br>,Database Recording<br>Prioritization | Know the process of critical care nursing and how to assess health status                     | ٤     | ١    |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Clinical interview<br>,and chief complaint<br>.History of illness                                                       | Introduce students to how to assess a patient's health .status                                | ٤     | ٢    |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Review of system and patient file                                                                                       | Introducing students to how to assess a patient's health condition and prepare a patient file | ٤     | ٣    |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ,Physical assessment<br>physical<br>,examination<br>,inspection<br>,palpation<br>auscultation.                          | Introducing students to how to assess a patient's health condition and prepare a patient file | ٤     | ٤    |

|                                                          |                                                            |                                                                                                                   |                                                                                        |   |    |
|----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---|----|
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Fluids and electrolytes, balance ,and disorders homeostatic mechanisms, fluid volume disorders hypovolemia)).     | fluid Introduce students to volume disorders and .hypovolemia                          | ٤ | ٥  |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Chronic obstructive pulmonary disease (COPD)                                                                      | Introducing students to COPD                                                           | ٤ | ٦  |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | .Electrocardiogram Interpretation, ECG Obtaining ,ProcedureECG Analysis                                           | to the Introducing students ) electrocardiogramECG).                                   | ٤ | ٧  |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Coronary ,atherosclerosis angina, causes, signs ,and symptoms ,diagnosis management.                              | Introducing students to ,coronary artery disease ,angina                               | ٤ | ٨  |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Myocardial ,infarction, causes diagnosis, signs and ,symptoms ,complications management, cardiac arrest           | Introducing students to ,myocardial infarction ,cardiac arrest                         | ٤ | ٩  |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Pathophysiology of congestive heart failure, clinical ,manifestations ,diagnosis management.                      | the Introduce students to pathophysiology of .congestive heart failure                 | ٤ | ١٠ |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Intestinal obstruction, small and large intestine ,obstruction, causes diagnosis, medical and surgical treatment. | Introducing students to intestinal obstruction, small and large intestine .obstruction | ٤ | ١١ |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Nursing management of the patient with a colostomy                                                                | Introducing students to colostomy disease                                              | ٤ | ١٢ |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Evaluation and management of ,diabetic patient pathophysiology of ,diabetes ,hypoglycemia diabetic ketoacidosis . | Introducing students to ,diabetes, hypoglycemia                                        | ٤ | ١٣ |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-                          | Long-term complications of ,diabetes                                                                              | the Introducing students to long-term complications of .diabetes                       | ٤ | ١٤ |

|                                                                                                                                                                     |                                                            |                                                                                       |                                                                            |   |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---|----|
|                                                                                                                                                                     | learning, lab experiments                                  | macrovascular ,complications<br>microvascular complications, leg problem in diabetes. |                                                                            |   |    |
| Reports, assignments, oral and written theoretical exams                                                                                                            | ,Blackboard PowerPoint slides, e-learning, lab experiments | ,Acute appendicitis ,signs and symptoms ,causes, diagnosis ,complications management. | Introducing students to acute appendicitis                                 | ٤ | ١٥ |
| 11. Course Evaluation                                                                                                                                               |                                                            |                                                                                       |                                                                            |   |    |
| The grade is distributed out of ١٠٠ according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports, etc |                                                            |                                                                                       |                                                                            |   |    |
| Semester exam ٤٠ marks-                                                                                                                                             |                                                            |                                                                                       |                                                                            |   |    |
| Final exam ٦٠ points-                                                                                                                                               |                                                            |                                                                                       |                                                                            |   |    |
| 12. Learning and teaching resources                                                                                                                                 |                                                            |                                                                                       |                                                                            |   |    |
|                                                                                                                                                                     |                                                            |                                                                                       | Curriculum books, if any                                                   |   |    |
| Fed, Community Medicine, 5th <sup>ed</sup> . London 1984.                                                                                                           |                                                            |                                                                                       | Main References (Sources)                                                  |   |    |
| Loping country Oxford -London 1976<br>Bayer. M. Community health Nursing In Dev<br>Kart Community health nursing Philadelphia 1981.                                 |                                                            |                                                                                       |                                                                            |   |    |
|                                                                                                                                                                     |                                                            |                                                                                       | Recommended supporting books and references (scientific journals, reports) |   |    |
|                                                                                                                                                                     |                                                            |                                                                                       | Electronic references, websites                                            |   |    |

|                                                                                                                                                                                                                                                                                                                           |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>1. Name Decision:</b>                                                                                                                                                                                                                                                                                                  |                                     |
| Adult Nursing                                                                                                                                                                                                                                                                                                             |                                     |
| <b>2. Course Code :</b>                                                                                                                                                                                                                                                                                                   |                                     |
| IMA 211                                                                                                                                                                                                                                                                                                                   |                                     |
| <b>٣. semester / Year :</b>                                                                                                                                                                                                                                                                                               |                                     |
| second semester /Level ٢                                                                                                                                                                                                                                                                                                  |                                     |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                   |                                     |
| 16-9-2024                                                                                                                                                                                                                                                                                                                 |                                     |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                     |                                     |
| presence                                                                                                                                                                                                                                                                                                                  |                                     |
| <b>٦. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                       |                                     |
| 30 theoretical hours / number of units ٤                                                                                                                                                                                                                                                                                  |                                     |
| 30 Practical hours                                                                                                                                                                                                                                                                                                        |                                     |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                |                                     |
| Name: Ban Abdul Jabbar Younis                                                                                                                                                                                                                                                                                             |                                     |
| Email: Banaltaee59@gmail.com                                                                                                                                                                                                                                                                                              |                                     |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                               |                                     |
| identifying risk factors and nursing interventions in maintaining -١<br>health in a selected group of patients' community<br>Linking the physiological pathological condition of nursing -٢<br>specialties and the use of alternatives in the priorities of treating the<br>disease<br>Understanding nursing diagnosis -٣ | <b>Subject Objectives<br/>Study</b> |
| <b>9. Strategies Education And learning:</b>                                                                                                                                                                                                                                                                              |                                     |
| Strategy Explanation of the study<br>materials by the academic staff<br>- Strategy Knowledge<br>By homework<br>vocabulary<br>Strategy Discussion.<br>.Self-learning strategy<br>Strategy Education                                                                                                                        | <b>Strategies<br/>Education</b>     |

|                                                                                                                         |                                |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Electronic                                                                                                              |                                |
| Study strategy<br>Strategy Inference Ideas.<br>Strategy Providing examples<br>and visiting the library and<br>websites. | <b>Strategies<br/>Learning</b> |

### 10. Course Decision :

| Method Evaluation                                                                    | Learning method                                               | Name Unit or The subject                                                                                                   | Learning Outcomes Required                                                                                                                                                                                                                                                   | Hours | week |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|
| ,Reports<br>theoretical<br>exams Oral and<br>-written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Increased intracranial<br>,pressure<br>,pathophysiology<br>,clinical manifestations<br>,management<br>,unconscious patient | Introducing<br>students to the<br>principles and<br>rules Definitions<br>and steps<br>Objectives<br>Rehabilitation<br>Prevention of<br>,complications<br>nursing and<br>rehabilitation<br>care, and<br>methods of<br>diagnosis and<br>treatment for<br>increased<br>pressure | ε     | 1    |
| Theory<br>exams Oral and<br>-written semi<br>terms<br>And a chapter                  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Stroke<br>cerebrovascular"<br>accident" clinical<br>,manifestations<br>causes and<br>,management                           | Student Definition<br>Students' knowledge of<br>principles, rules<br>definitions, steps<br>objectives and principles<br>Rehabilitation Team<br>Prevention of<br>complications, nursing<br>,and rehabilitation care<br>and methods of<br>diagnosis and<br>treatment of stroke | ε     | 2    |
| Theory<br>exams Oral and<br>-written semi<br>terms<br>And a chapter                  | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Cardiopulmonary<br>) resuscitation<br>CPR )                                                                                | Student Definition<br>Students' knowledge of<br>,principles, rules<br>,definitions, steps<br>objectives and principles<br>Rehabilitation Team<br>Prevention of                                                                                                               | ε     | 3    |

|                                                         |                                                   |                                                                                                                         |                                                                                                                                                                                                                                                                   |   |   |
|---------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
|                                                         |                                                   |                                                                                                                         | complications, nursing ,and rehabilitation care diagnostic and treatment methods for cardiopulmonary resuscitation                                                                                                                                                |   |   |
| Theory exams Oral and -written semi terms And a chapter | Blackboard slides Education PowerPoint Electronic | Disturbances of ,consciousness, coma seizures, Glasgow Coma Scale, and emergency management of the .unconscious patient | Student Definition Students' knowledge of ,principles, rules ,definitions, steps objectives and principles Rehabilitation Team Prevention of complications, nursing ,and rehabilitation care and methods of diagnosis and treatment of disorders of consciousness | ε | 4 |
| Theory exams Oral and -written semi terms And a chapter | Blackboard slides Education PowerPoint Electronic | ,Urinary catheterization ,its types, purposes ,urinary retention .causes, urinary irrigation                            | Student Definition Students' knowledge of ,principles, rules ,definitions, steps objectives and principles Rehabilitation Team Prevention of complications, nursing and rehabilitation care diagnostic and treatment methods for urinary catheterization          | ε | 5 |
| Theory exams Oral and -written semi terms And a chapter | Blackboard slides Education PowerPoint Electronic | Postoperative complications, wound infection, wound ,dehiscence, bleeding ,thrombosis ,thrombophlebitis .pneumonia      | 'Students knowledge 'Students knowledge of principles and rules Definitions and steps Objectives and principles Rehabilitation Team Complication Prevention and Care ,Nursing ,rehabilitation diagnosis and treatment methods for post-operative complications    | ε | ٦ |

|                                                                  |                                                               |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                              |   |   |
|------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
|                                                                  |                                                               |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                              |   |   |
| Theory exams<br>Oral and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Ulcer, its etiology, risk factors, stages of ulcer formation, ulcer area risk assessment form<br>scoring system" for" .nursing management                                                                                                                                                          | Students knowledge of ,principles, rules ,definitions, steps objectives and principles<br>Rehabilitation Team Prevention ,of complications nursing and rehabilitation care, and methods of diagnosis and treatment of ulcers | ξ | γ |
| Theory exams<br>Oral and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Center monitors for intensive care units (ICU). ,Equipment instruments and nursing .homes in intensive care                                                                                                                                                                                        | Students' knowledge of monitoring methods to improve the health status of patients                                                                                                                                           | ξ | λ |
| Theory exams<br>Oral and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Intensive care. Intensive ,care unit Contents .Nursing homes                                                                                                                                                                                                                                       | Students' knowledge of monitoring methods to improve the health status of patients                                                                                                                                           | ξ | ρ |
| Theory exams<br>Oral and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Pleural effusion (refers to an abnormal accumulation of fluid in ,(the pleural space causes, thoracentesis draining fluid or air from) the pleural space, the space between the lungs ,(and the chest wall ,ascites, causes paracentesis (removal of fluid accumulation in the .(peritoneal cavity | Students' knowledge of principles, rules definitions, steps objectives<br>Rehabilitation prevention of complications, nursing and rehabilitation care diagnostic and herapeutic methods for removing fluids from the body    | ξ | υ |
| Theory exams<br>Oral and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | ,Hypertension, causes ,clinical manifestations ,diagnosis, complications .management                                                                                                                                                                                                               | Students' knowledge of principles, rules definitions, steps objectives<br>Rehabilitation to prevent complications, nursing and rehabilitation care and methods of diagnosis and treatment of high blood pressure             | ξ | ϕ |



|                                                                  |                                                               |                                                                                                                      |                                                                                                                                                                                                                                         |   |    |
|------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|
| Theory exams<br>Oral and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | ,Jaundice, its types<br>causes, clinical<br>manifestations, and<br>.treatment                                        | Students' knowledge of<br>,principles, rules<br>,definitions, steps<br>objectives<br>,Rehabilitation<br>prevention of<br>complications, nursing<br>,and rehabilitation care<br>and methods of<br>diagnosis and treatment<br>of jaundice | ξ | ١٢ |
| Theory exams Oral and<br>-written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | ,Hemodialysis, its types<br>,purposes, complications<br>the role of the nursing<br>.staff in hemodialysis            | Students' knowledge of<br>,principles, rules<br>,definitions, steps<br>objectives<br>,Rehabilitation<br>prevention of<br>complications, nursing<br>,and rehabilitation care<br>diagnostic and treatment<br>methods for lung lavage      | ξ | ١٣ |
| Theory exams<br>Oral and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | ,Bronchial asthma<br>causes, signs and<br>,symptoms<br>investigations, laboratory<br>tests, emergency<br>.management | Students' knowledge of<br>,principles, rules<br>,definitions, steps<br>objectives<br>,Rehabilitation<br>prevention of<br>complications, nursing<br>,and rehabilitation care<br>and methods of<br>diagnosis and treatment<br>of asthma   | ξ | ١٤ |
| Theory exams<br>Oral and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Itching, itching in<br>,anaphylaxis, causes<br>emergency<br>management, patient<br>.health education                 | Students' knowledge of<br>,principles, rules<br>,definitions, steps<br>objectives<br>,Rehabilitation<br>prevention of<br>complications, nursing<br>,and rehabilitation care<br>diagnostic and treatment<br>methods for allergies        | ξ | ١٥ |

| 11. Course Evaluation                                                                                                                                                        |                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Distribution Score from 100 to According to Tasks The taxpayer With it The student is like Preparation Daily And exams Daily and oral And monthly .Editorial and reports etc |                                                                                    |
| <ul style="list-style-type: none"> <li>- Semester exam marks 40</li> <li>- Final Exam Degree 60</li> </ul>                                                                   |                                                                                    |
| 12. Sources Learning and teaching                                                                                                                                            |                                                                                    |
| Brunner, L. and Suddarth D., Textbook of Medical-Surgical Nursing 8th ed., New York, Lippincott Co., 2012.                                                                   | Required books Required)Methodology that I found(                                  |
| Smeltzer, S. et.al, Textbook of Medical-Surgical Nursing, 10th ed., New York, Lippincott Williams and Wilkins, 2004.                                                         | Main ReferencesSources                                                             |
| Lewis S., Heitkemper M., et al., Medical-surgical of Nursing, assessment and management of clinical problems,. 7 th ed. Mosby Co, 2007.                                      | Books References The supporter which , Recommended ( Scientific journals reports ) |
| Noor Library To download Books Free.                                                                                                                                         | References electronic, Locations The Internet                                      |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>1. Name Decision:</b>                                                                                                                                                                                                                                                                                                                                        |                                     |
| Emergency Nursing ٢                                                                                                                                                                                                                                                                                                                                             |                                     |
| <b>2. Code Course</b>                                                                                                                                                                                                                                                                                                                                           |                                     |
| IMA 208                                                                                                                                                                                                                                                                                                                                                         |                                     |
| <b>3. Semester / Year:</b>                                                                                                                                                                                                                                                                                                                                      |                                     |
| Second semester/Level ٢                                                                                                                                                                                                                                                                                                                                         |                                     |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                         |                                     |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                       |                                     |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                           |                                     |
| presence                                                                                                                                                                                                                                                                                                                                                        |                                     |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                             |                                     |
| 30 Theoretical hours / number of units ٤<br>٢٠ Prcticle hours                                                                                                                                                                                                                                                                                                   |                                     |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                      |                                     |
| Name: Yasser Khalaf Hassan<br>Email: yassir.alsamarrai@gmail.com                                                                                                                                                                                                                                                                                                |                                     |
| <b>8. Course Objectives</b>                                                                                                                                                                                                                                                                                                                                     |                                     |
| Learn the basics and principles of emergency management<br>Knowing how to provide emergency services to a choking patient with<br>upper airway obstruction or feeding tube blockage, as well as other<br>injuries such as paralysis and others<br>Learn how to give medications, inject therapeutic fluids, and know the<br>complications that result from them | <b>Subject Objectives<br/>Study</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                   |                                     |

|                                                                                                                                                                                                                                                                                                                                                                            |                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <p>Strategy Explanation of the study materials by the academic staff</p> <p>- Strategy Knowledge</p> <p>By homework vocabulary</p> <p>Strategy Discussion.</p> <p>.Self-learning strategy</p> <p>Strategy Education</p> <p>Electronic</p> <p>Study strategy</p> <p>Strategy Inference Ideas.</p> <p>Strategy Providing examples and visiting the library and websites.</p> | <p><b>Strategies Education</b></p> <p><b>Strategies Learning</b></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|

## 10. Course Structure :

| Method Evaluation                                                     | Learning method                                            | Name Unit or The subject                                                                                                              | Learning Outcomes Required                                                        | Hours | week |
|-----------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|------|
| ,Reports theoretical exams Oral and written semi- terms And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | ,Management of the burn patient ,pathophysiology of burns systemic response, emergency phase of burn care                             | Introduce students to the pathophysiology of burns                                | ξ     | 1    |
| Theory exams Oral and written semi- terms And a chapter               | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Intermediate burn care, burn ,wound, general wound care infection prevention, dressing ,changes, pain management .nutritional support | Introduce students to general wound care, infection prevention, dressing .changes | ξ     | 2    |
| Theory exams Oral and written semi- terms And a chapter               | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Intermediate burn care, burn ,wound, general wound care infection prevention, dressing ,changes, pain management .nutritional support | Introduce students to ,general wound care infection prevention .dressing changes  | ξ     | 3    |
| Theory exams Oral and written semi- terms And a chapter               | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Patient management in ,splint, types of splints patient in traction, types of .traction                                               | Introduce students to general care of a patient in a cast, types of casts         | ξ     | 4    |
| Theory exams Oral and written semi- terms And a chapter               | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Patient management in ,splint, types of splints patient in traction, types of traction, principle of .effective traction              | Introduce students to general care of a patient in a cast, types of casts         | ξ     | 5    |

|                                                            |                                                         |                                                                                                   |                                                                                          |   |    |
|------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---|----|
| Theory exams Oral and written semi- terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Emergency management of fracture patients, types of fractures, clinical manifestations, diagnosis | Introduce students to types of fractures, clinical manifestations, diagnosis             | ξ | ٦  |
| Theory exams Oral and written semi- terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Emergency management of fracture patients, types of fractures, clinical manifestations, diagnosis | Introduce students to types of fractures, clinical manifestations, diagnosis             | ξ | ٧  |
| Theory exams Oral and written semi- terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | ,Temperature emergencies<br>.heat stroke, heat exhaustion                                         | Introducing students to temperature emergencies                                          | ξ | ٨  |
| Theory exams Oral and written semi- terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Poisoning, ingestion of poisons, inhalation of poisons, emergency management of poisonings        | Introducing students to poisoning emergencies                                            | ξ | ٩  |
| Theory exams Oral and written semi- terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Emergency management for snake, scorpion and insect bites                                         | Introducing students to bite emergencies                                                 | ξ | ١٠ |
| Theory exams Oral and written semi- terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Emergency management of suicidal, drug and alcohol abuse patients                                 | Introducing students to emergencies related to suicide, drug and alcohol abuse           | ξ | ١١ |
| Theory exams Oral and written semi- terms<br>And a chapter | Blackboard slides<br>Education PowerPoint<br>Electronic | Body mechanics, body position, principle of patient transfer                                      | Introduce students to emergency situations related to the principle of patient transport | ξ | ١٢ |

|                                                                     |                                                               |                                                                                                                 |                                                                                                      |   |    |
|---------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---|----|
| Theory<br>exams Oral<br>and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | ,Gastric feeding, lavage<br>,symptoms, indications<br>.nursing care                                             | introduce students to<br>emergency situations<br>related to the principle of<br>gastric lavage       | ٤ | ١٣ |
| Theory<br>exams Oral<br>and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Wound suturing in the<br>,emergency department<br>purpose, principles of<br>suturing, role of nursing<br>.staff | introduce students to<br>emergency situations<br>wound suturing related to                           | ٤ | ١٤ |
| Theory<br>exams Oral<br>and written<br>semi- terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | ,Foreign bodies in the eye<br>ear, nose and throat and<br>.emergency management                                 | introduce students to<br>emergencies involving<br>foreign bodies in the eye<br>nose, ears and throat | ٤ | ١٥ |

## 11. Course Evaluation

Distribution Score from ١٠٠ to According to Tasks The taxpayer With it The student is like Preparation Daily And exams Daily and oral And monthly  
.Editorial and reports etc

- Semester exam marks ٤٠
- The Final Exam Degree ٦٠

## 12. Sources Learning And teaching

|                                                                                 |                                                                                   |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Fred, Community Medicine, 5th ED. London 1984.                                  | Required books Required)Methodology that I found(                                 |
| Bayer. M. Community health NURRSING In Dev loping country Oxford - London 1976. | Main ReferencesSources                                                            |
| Kart Community Health Nursing Philadelphia 1981                                 | Books References The supporter which Recommended ( Scientific journals, ,reports( |
| Noor Library To download Books Free.                                            | References electronic, Locations The Internet                                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>1. Course Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |
| Poisons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |
| <b>2. Course Code:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |
| IMA 213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |
| <b>3. Semester / Year :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |
| First semester /Level ٢                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                            |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |                                            |
| 30 hoursTheoretical Number of units ٤                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                            |
| ٣٠ Practicle hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                            |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |
| Name: Youssef Riad Mohammed<br>Email: yousef.alsajee@gmail.com                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                            |
| <p>- To study Principle Exposure For materials Chemical and elements<br/>Physical Toxic</p> <p>Different and factors Environmental And its sources And mechanisms I<br/>named it And its dangers On human So that It is possible<br/>Students From Understand Measures Required To protect<br/>Objects The snake Against Risks Toxic The suspect In it How to Dealing<br/>Be careful with her And the mastery Most importantly Ways<br/>Treatment Useful For all Elements and vehicles toxic</p> | <p><b>Subject<br/>objectives Study</b></p> |

| 9. Strategies Education and learning :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                               |                                                                        |                                                         |       |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------|-------|------|
| <div>- Strategy Storm mental</div> <div>- Strategy Work</div> <div>Collective- Discussion</div> <div>Strategy</div> <div>- Strategy Study Status -</div> <div>Inductive teaching strategy-</div> <div>Conceptual Maps Strategy-</div> <div>Strategy Training Field The</div> <div>practical- Self-learning</div> <div>strategy</div> <div>-Strategy Education Electronic</div> <div></div> <div>-Strategy Memorandum</div> <div>- Strategy Conclusion -</div> <div>Strategy Practice The</div> <div>spaced- Strategy of</div> <div>switching between ideas-</div> <div>Example Presentation</div> <div>Strategy</div> |                                                                               |                                                                        | Strategies Education                                    |       |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                               |                                                                        | Strategies Learning                                     |       |      |
| 10. Course Structure :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                               |                                                                        |                                                         |       |      |
| Method Evaluation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Method Learning                                                               | Name Unit or The subject                                               | Outputs Learning Required                               | Hours | week |
| ,Reports theoretical exams Oral and written semi-terms And a chapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Blackboard PowerPoint Slides Education Electronic experimentati on Laboratory | :Introduction ,The worker The host Environmental Factors Effects Toxic | Introducing students to Toxins and agents Effects Toxic | 4     | 1    |

|                                                                                      |                                                                                                    |                                                                                         |                                                                                                               |   |   |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---|---|
| ,Reports<br>theoretical<br>exams Oral and<br>written semi-<br>terms<br>And a chapter | Blackboard<br>PowerPoint<br>Slides<br>Education<br>Electronic<br>experimentatio<br>n<br>Laboratory | Toxic materials Carcinogenic<br>Introduction About Use Devices<br>Laboratory Scientific | Introducing<br>toxic students to<br>materials<br>Carcinogens and<br>use Laboratory<br>Equipment<br>Scientific | ξ | ٢ |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---|---|



|                                                                          |                                                                                    |                                                                                            |                                                                    |   |   |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---|---|
|                                                                          |                                                                                    |                                                                                            |                                                                    |   |   |
| ,Reports theoretical exams Oral and written semi-terms And a chapter     | Blackboard PowerPoint Slides Education Electronic experimentation Laboratory       | Members Targeted And science poisons The device The liver). Materials Toxic On liver cells | Introducing the students to materials Toxic On liver cells         | ξ | ٣ |
| ,Reports theoretical exams Oral and written semi-terms And a chapter     | Blackboard PowerPoint Slides Education Electronic experimentation Laboratory       | Members Targeted Toxicology The device. Respiratory system nicotine poisoning              | Introducing students to toxic substances on the respiratory system | ξ | ξ |
| ,Reports theoretical exams Oral and written semi-terms And a chapter     | Blackboard PowerPoint Slides Education Electronic experimentation Laboratory       | Members Targeted Systemic toxicology. The college is toxic Cyanide                         | Introducing students to kidney-toxic substances                    | ξ | ٥ |
| ,Reports theoretical exams Oral and written semi-terms And a chapter     | Blackboard PowerPoint Slides Education Electronic experimentation Laboratory       | How the target organs and skin toxicity Pollutants                                         | Introducing students to substances that are toxic to the skin      | ξ | ٦ |
| ,Reports theoretical exams Oral and written half Quarterly and quarterly | Blackboard PowerPoint Slides Education Electronic procedure Experiments Laboratory | Members Targeted Systemic toxicology. Nervous system Detergent toxicity Home               | Introducing students to toxic substances on the nervous system     | ξ | ٧ |

|                                                                                  |                                                                                                    |                                                                                                |                                                                                                          |   |    |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---|----|
| ,Reports<br>theoretical exams<br>Oral and written<br>semi-terms<br>And a chapter | Blackboard<br>PowerPoint<br>Slides<br>Education<br>Electronic<br>experimentati<br>on<br>Laboratory | Members Targeted<br>Toxicology The<br>device. Blood<br>toxicity The snake                      | Introducing students<br>to blood toxic substances                                                        | ξ | ٨  |
| ,Reports<br>theoretical exams<br>Oral and written<br>semi-terms<br>And a chapter | Blackboard<br>PowerPoint<br>Slides<br>Education<br>Electronic<br>experimentati<br>on<br>Laboratory | Materials Toxic: Food<br>additives Pollutants are<br>toxic Hydrocarbons                        | Introducing students<br>to toxic food additives<br>Pollutants are toxic<br>Hydrocarbons                  | ξ | ٩  |
| ,Reports<br>theoretical exams<br>Oral and written<br>semi-terms<br>And a chapter | Blackboard<br>PowerPoint<br>Slides<br>Education<br>Electronic<br>experimentati<br>on<br>Laboratory | : Materials Toxic<br>Pesticides<br>Factors Toxic On urinary<br>system                          | Introducing students<br>to pesticide agents<br>Toxic On urinary<br>system                                | ξ | ١٠ |
| ,Reports<br>theoretical exams<br>Oral and written<br>semi-terms<br>And a chapter | Blackboard<br>PowerPoint<br>Slides<br>Education<br>Electronic<br>experimentati<br>on<br>Laboratory | Materials Toxic:<br>Toxic metals<br>pesticides Insect                                          | Introducing students<br>to toxic metals                                                                  | ξ | ١١ |
| ,Reports<br>theoretical exams<br>Oral and written<br>semi-terms And<br>a chapter | Blackboard<br>PowerPoint<br>Slides<br>Education<br>Electronic<br>experimentati<br>on<br>Laboratory | Materials Toxic:<br>Radiation and materials<br>Radiant effect The<br>poisonous For some Plants | Introducing students<br>to radiation and<br>materials Radiant<br>effect The poisonous<br>For some Plants | ξ | ١٢ |

|                                                                      |                                                                                 |                                                                                                                        |                                                                                  |   |    |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---|----|
| ,Reports theoretical exams Oral and written semi-terms And a chapter | Blackboard PowerPoint Slides Education Electronic experimentation on Laboratory | Poisons Environment: Pollution Air And pollutants Water and soil toxic Some Materials The portfolio In Food The canned | Introducing students to the name Some Materials The portfolio In Food The canned | ξ | ١٣ |
| ,Reports theoretical exams Oral and written semi-terms And a chapter | Blackboard PowerPoint Slides Education Electronic experimentation on Laboratory | Gases tear dropper , spray Pepper toxic poison Scorpio                                                                 | Introducing students to the name Gases                                           | ξ | ١٤ |
| ,Reports theoretical exams Oral and written semi-terms And a chapter | Blackboard PowerPoint Slides Education Electronic experimentation on Laboratory | Cyanide(H <sub>2</sub> S). Toxic effect of carbon monoxide gas                                                         | Introducing students to the name Gases                                           | ξ | ١٥ |

## 11. Course Evaluation

Distribution Degree From ١٠٠ on According to Tasks The taxpayer With it The student Like Preparation Daily And exams Daily and oral And monthly editorial and reporting etc

- Semester exam Degree ξ٠
- Final ٦٠ Degree -

## 12.Sources Learning and teaching

|                                                                                                                                                                                       |                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Goldfrank's Toxicologic Emergencies - Lewis R. Goldfrank, Neal Flomenbaum, Mary Ann Howland, Robert S. Hoffman, Lewis S. Nelson, Neal A. Lewin - 2006                                 | Books The rapporteur Required) Methodology that I found)                          |
| Clinical Toxicology: Principles and Mechanisms - Frank A. Barile, P Sidney Jackson, Kathryn R. Matthias - 2010                                                                        | Main References Sources                                                           |
| Casarett & Doull's Toxicology: The Basic Science of Poisons -Curtis D. Klaassen, John B. Watkins, III - 2008<br>Hayes' Principles and Methods of Toxicology - A. Wallace Hayes - 2014 | Books References The supporter which Recommended Scientific journals ), ,reports) |

|  |                                                  |
|--|--------------------------------------------------|
|  | ,References electronic<br>Locations The Internet |
|--|--------------------------------------------------|

|                                                                                                                                                                                                                                                                                      |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>1. Course Name:</b>                                                                                                                                                                                                                                                               |                          |
| Computer                                                                                                                                                                                                                                                                             |                          |
| <b>2. Course code :</b>                                                                                                                                                                                                                                                              |                          |
| NTU 201                                                                                                                                                                                                                                                                              |                          |
| <b>3. Semester / Year :</b>                                                                                                                                                                                                                                                          |                          |
| First semester /Level ٢                                                                                                                                                                                                                                                              |                          |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                              |                          |
| 16-9-2024                                                                                                                                                                                                                                                                            |                          |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                |                          |
| presence                                                                                                                                                                                                                                                                             |                          |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                  |                          |
| 15 hour Theoretical Number of units 2                                                                                                                                                                                                                                                |                          |
| 15 Practicle hours                                                                                                                                                                                                                                                                   |                          |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                           |                          |
| Name: Ahmed Qasim Muzail                                                                                                                                                                                                                                                             |                          |
| Email: ahmed.qm@ntu.edu.iq                                                                                                                                                                                                                                                           |                          |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                        |                          |
| The student's familiarity with various computer applications and the ability to distinguish between the types of software that can be dealt with, and to learn about artificial intelligence and the prospects for dealing with it and how to benefit from it in all areas of life   | Subject objectives Study |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                        |                          |
| Students will be able to<br>Use the computer for basic tasks<br>Identify and discuss the hardware components of a computer system<br>Create documents using a word processor and create presentations<br>Conduct research on the Internet<br>Introduction to Artificial Intelligence | Subject objectives Study |

| 10. Course Structure :                         |                                                                                       |                                                                                                                                                                                                 |                                                                                                          |       |      |
|------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------|------|
| Method Evaluation                              | Method Learning                                                                       | Name Unit or The subject                                                                                                                                                                        | Outputs Learning Required                                                                                | Hours | week |
| ,Reports theoretical exams<br>Oral and written | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation<br>Laboratory | Security and Networking: What is a network?<br>Types of networks. Basic network components. Network Security Basics.<br>Understanding network threats. Network Troubleshooting                  | Introducing students to Security and Networking.                                                         | ۲     | ۱    |
| ,Reports theoretical exams<br>Oral and written | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation<br>Laboratory | E-Commerce : Concepts Of Electronic banking services this include online banking: ATM and debit card services, Phone banking, SMS banking, electronic alert, Mobile banking.                    | Introducing Students to E-Commerce : Concepts Of Electronic banking services this include online banking | ۲     | 2-3  |
| ,Reports theoretical exams<br>Oral and written | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation<br>Laboratory | Computer Troubleshooting: identifying and solving common hardware and software problems that computer users encounter. Basic troubleshooting. techniques and tools for diagnosing and resolving | Introducing Students to Computer Troubleshooting                                                         | ۲     | 4-5  |
| ,Reports theoretical exams<br>Oral and written | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation<br>Laboratory | Introduction to AI: Definition of AI, History of AI, AI Techniques and Approaches, Challenges and Ethical Considerations.                                                                       | Introducing students to the Introduction to AI                                                           | ۲     | 6-7  |

|                                                         |                                                                                                |                                                                                                         |                                                    |   |       |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------|---|-------|
| ,Reports<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>Laboratory | AI in Our Daily Lives: AI in smartphones and virtual assistants like Siri or Google Assistant.)         | Introducing Students to AI in Our Daily Lives      | ۲ | 8-9   |
| ,Reports<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentation<br>Laboratory | Applications of AI: Education, Healthcare, Finance, Transportation, Marketing and Advertising.          | Introducing students to Applications of AI         | ۲ | 10-11 |
| ,Reports<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>laboratory<br>experiments     | AI and Society: (How AI affects social, AI and International relations, AI and the future of humanity.) | Introducing Students to AI and Society             | ۲ | 12-13 |
| ,Reports<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>laboratory<br>experiments     | Ethical Challenges in AI (AI ethics, privacy and surveillance, the impact of AI on the job market.)     | Introducing students to e Ethical Challenges in AI | ۲ | 14    |
| ,Reports<br>theoretical<br>exams<br>Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>laboratory<br>experiments     | The Future of AI (Future trends in AI, recent research and emerging technologies.)                      | The Future of AI (Future trends in AI.             | ۲ | 15    |

## 11. Course Evaluation

Distribution Score from ۱۰۰ to According to Tasks The taxpayer With it The student is like Preparation Daily And exams Daily and oral And monthly  
.Editorial and reports etc

- Semester exam 40 marks
- The Final Exam 60 marks

| 12.Sources Learning and teaching                                                                                                                                                                                  |                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Graham Brown, David Watson, "Cambridge IGCSE Information and Communication Technology", 3rd Edition (2020)<br>Alan Evans, Kendall Martin, Mary Anne Poatsy, "Technology In Action Complete", 16th Edition (2020). | Required books Required)Methodology that I found)                                 |
| Ahmed Banafa, "Introduction to Artificial Intelligence (AI)", 1st Edition (2024).                                                                                                                                 | Main ReferencesSources                                                            |
| Operating System Concepts - Abraham Silberschatz, Peter B. Galvin, Greg Gagne - 1983                                                                                                                              | Books References The supporter which Recommended ( Scientific journals, ,reports) |
|                                                                                                                                                                                                                   | References electronic, Locations The Internet                                     |

|                                                                                                                                                                                                                                                                                                             |                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>1. Course Name:</b>                                                                                                                                                                                                                                                                                      |                                 |
| Arabic Language                                                                                                                                                                                                                                                                                             |                                 |
| <b>2. Course code :</b>                                                                                                                                                                                                                                                                                     |                                 |
| NTU 202                                                                                                                                                                                                                                                                                                     |                                 |
| <b>3. Semester / Level :</b>                                                                                                                                                                                                                                                                                |                                 |
| Second semester/Level ٢                                                                                                                                                                                                                                                                                     |                                 |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                     |                                 |
| 16-9-2024                                                                                                                                                                                                                                                                                                   |                                 |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                       |                                 |
| presence                                                                                                                                                                                                                                                                                                    |                                 |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                         |                                 |
| 30 theoretical hours / number of units ٢                                                                                                                                                                                                                                                                    |                                 |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                  |                                 |
| Name: Ezz El-Din Abdel Rahim Hamad                                                                                                                                                                                                                                                                          |                                 |
| Email: azzlidden@gmail.com                                                                                                                                                                                                                                                                                  |                                 |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                                               |                                 |
| <p>Aims the language Arabic to knowledge Rules the language Arabic And signs Arabic How to Grammar And pronunciation Correct And choose appropriate words According to Its locations from Camel Arabic knowledge Tags Arabic Original and the branch.</p> <p>knowledge Grammar And the miracle Quranic.</p> | <b>Subject objectives Study</b> |
| <b>9. Strategies Education And learning :</b>                                                                                                                                                                                                                                                               |                                 |



|                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <ul style="list-style-type: none"> <li>-Strategy Storm Mental</li> <li>Strategy Work Collective</li> <li>Discussion Strategy             <ul style="list-style-type: none"> <li>- Strategy Study Status</li> </ul> </li> <li>- Inductive teaching strategy</li> <li>Conceptual Maps Strategy-</li> <li>Strategy Training Field Practical</li> <li>Self-learning strategy</li> <li>-Strategy Education Electronic</li> </ul> | <p><b>Strategies Education</b></p> |
| <ul style="list-style-type: none"> <li>-Strategy Memorandum             <ul style="list-style-type: none"> <li>- Strategy Conclusion</li> </ul> </li> <li>- Strategy Practice The spaced Strategy Switch</li> <li>Between Ideas- Example</li> <li>Presentation Strategy</li> </ul>                                                                                                                                          | <p><b>Strategies Learning</b></p>  |

## 10. Course Structure :

| Method Evaluation                                                                | Learning method                                                                                    | Name Unit or The subject         | Outputs Required learning                                                                                               | Hours | week |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------|------|
| ,Reports<br>theoretical exams<br>Oral and written                                | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>Laboratory | The beginner And the news        | Knowing how to write<br>signs The subject of<br>the Arabic language<br>News in Arabic                                   | ٢     | 1    |
| ,Reports<br>theoretical exams<br>Oral and written                                | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>Laboratory | verb The doer The effect To      | identification Students<br>using the correct verb<br>rules The doer The effect<br>It is in the Arabic<br>language.      | ٢     | 2    |
| ,Reports<br>,Assignments<br>theoretical exams<br>Oral , written and<br>quarterly | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>Laboratory | transitive and intransitive verb | identification Students<br>use the correct rules for<br>transitive and intransitive<br>verbs in the Arabic<br>language. | ٢     | 3    |

|                                                     |                                                                                                    |                                             |                                                                                                                        |   |     |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---|-----|
| Reports<br>theoretical<br>exams Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>Laboratory | Pronouns                                    | identification Students<br>with pronouns in<br>Arabic.                                                                 | ٢ | ٤   |
| Reports<br>theoretical<br>exams Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>Laboratory | Original and secondary<br>diacritical marks | identification Students<br>use the correct rules of<br>original and secondary<br>diacritics in the Arabic<br>language. | ٢ | ٥   |
| Reports<br>theoretical<br>exams Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>Laboratory | Actions The five                            | identification Students<br>using the correct rules<br>for verbs five in Arabic                                         | ٢ | ٦   |
| Reports<br>theoretical exams<br>Oral and written    | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>Laboratory | letters Kindness and its<br>meanings        | Introducing students<br>to the correct use of<br>letters Kindness And<br>its meanings in the<br>Arabic language.       | ٢ | ٧   |
| Reports<br>theoretical<br>exams Oral and<br>written | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic<br>experimentati<br>on<br>Laboratory | Hamza Connection And the<br>pieces          | identification Students<br>using the correct rules<br>of hamza Connection<br>And the pieces in the<br>Arabic language. | ٢ | ٨-9 |

|                                             |                                                                                |                                                   |                                                                                                     |   |       |
|---------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|---|-------|
| ,Reports theoretical exams Oral and written | Blackboard slides<br>Education PowerPoint<br>Electronic laboratory experiments | Letters excess                                    | identification Students use the correct rules for extra letters in the Arabic language.             | ٢ | 10    |
| ,Reports theoretical exams Oral and written | Blackboard slides<br>Education PowerPoint<br>Electronic laboratory experiments | The letter Nun Tanween                            | identification Students using the correct rules for the letter noon Tanween in the Arabic language. | ٢ | 11    |
| ,Reports theoretical exams Oral and written | Blackboard slides<br>Education PowerPoint<br>Electronic experimental testing   | The speech Administrative                         | identification Students about the speech Administrative                                             | ٢ | 12-13 |
| ,Reports theoretical exams Oral and written | Blackboard slides<br>Education PowerPoint<br>Electronic experimental testing   | Months Errors Linguistic Common in Books Official | identification Students in months Errors Linguistic Common in Books OfficialIn Arabic               | ٢ | 14-15 |

## 11. Course Evaluation

Distribution Score from ١٠٠ to According to Tasks The taxpayer With it The student is like Preparation Daily And exams Daily and oral And monthly Editorial Reports. . . .etc

- Semester exam 40 marks
- The Final Exam 60Degree

## 12.Sources Learning and teaching

Basic Rules of the Arabic Language - Muhammad Hussein Al-Masoumi - ٢٠٠٨

Required books Required) Methodology that I found)

|                                                                                                                                |                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Introduction to Arabic linguistics. Abdullah Al-Taie . ٢٠١٥<br>Contemporary Arabic Literature- Muhammad Muhammad Hussein- ٢٠١٠ | Main ReferencesSources                                                            |
| Abdul Rahman Al-Fawzan - ٢٠١٦ - Arabic Grammar Level ١                                                                         | Books References The supporter which Recommended ( Scientific journals, ,reports) |
| Library Nour To download free books                                                                                            | References electronic, Locations The Internet                                     |

|                                                                                                                                                                                                        |                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>1. Course Name:</b>                                                                                                                                                                                 |                                     |
| Graduation project                                                                                                                                                                                     |                                     |
| <b>2. Course code :</b>                                                                                                                                                                                |                                     |
| IMA 215                                                                                                                                                                                                |                                     |
| <b>3. Semester / Year :</b>                                                                                                                                                                            |                                     |
| Second semester/Level ٢                                                                                                                                                                                |                                     |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                |                                     |
| 16-9-2024                                                                                                                                                                                              |                                     |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                  |                                     |
| presence                                                                                                                                                                                               |                                     |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                    |                                     |
| 30 hours of work / number of units ٢                                                                                                                                                                   |                                     |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                             |                                     |
| Name: Abbas Hadi Hammadi<br>Email: abbas.hadi@ntu.edu.iq                                                                                                                                               |                                     |
| <b>8. Course Objectives :</b>                                                                                                                                                                          |                                     |
| Ability to define problems and find appropriate solutions<br>Proficiency in dealing with various devices and tools in order to implement the project<br>Students implement integrated production works | <b>Subject objectives<br/>Study</b> |
| <b>9. Strategies Education And learning :</b>                                                                                                                                                          |                                     |

|                                                                                                                                                                                                                                                                           |                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| -Strategy Storm Mental<br>Strategy Work<br>Collective Discussion<br>Strategy<br>- Strategy Study Status -<br>Inductive teaching strategy<br>Conceptual Maps Strategy-<br>Strategy Training Field<br>Practical Self-learning<br>strategy<br>-Strategy Education Electronic | <b>Strategies Education</b> |
| -Strategy Memorandum<br>- Strategy Conclusion -<br>Strategy PracticeThe<br>spaced Strategy Switch<br>Between Ideas- Example<br>Presentation Strategy                                                                                                                      | <b>Strategies Learning</b>  |

## Strategies Education

## Strategies Learning

## 10. Course Structure :

| Method Evaluation                                       | Learning method                                                                       | Name Unit or The subject                                                                                                                                                     | Outputs Required learning           | Hours | weeks |
|---------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------|-------|
| ,Reports theoretical exams Oral and written             | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation on Laboratory | discussion Projects that It is done Test it Determine the style And a plan the job. to set And distribution Responsibilities And put Schedule To implement The project       | Knowledge and practical application | ٢     | 1     |
| ,Reports theoretical exams Oral and written             | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation on Laboratory | Implementation of the project in laboratories and preparation<br>Reports on the stages reached, with weekly follow-up of the progress of work .and work obstacles            | Knowledge and practical application | ٢     | (٤-2) |
| ,Reports theoretical , exams Oral written and quarterly | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation on Laboratory | Discussion of the student by the Executive and Scientific Plans Evaluation Committee in the department, which is considered an evaluation for .the end of the first semester | Knowledge and practical application | ٢     | ٥     |

|                                                         |                                                                                             |                                                                                                                                                   |                                     |   |      |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---|------|
| ,Reports theoretical , exams Oral written and quarterly | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation<br>on<br>Laboratory | Resume project implementation and complete the practical side                                                                                     | Knowledge and practical application | ٢ | ١٢-٦ |
| ,Reports theoretical , exams Oral written and quarterly | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation<br>on<br>Laboratory | Discussing the project details and directing the students to prepare the final report (which is considered an evaluation (for the second semester | Knowledge and practical application | ٢ | ١٣   |
| ,Reports theoretical , exams Oral written and quarterly | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation<br>on<br>Laboratory | Completing the project with its practical and theoretical aspects and preparing for the final discussion                                          | Knowledge and practical application | ٢ | ١٤   |
| ,Reports theoretical , exams Oral written and quarterly | Blackboard slides<br>Education PowerPoint<br>Electronic experimentation<br>on<br>Laboratory | Final discussion of the project                                                                                                                   | Knowledge and practical application | ٢ | ١٥   |

## 11. Course Evaluation

Distribution Score from ١٠٠ to According to Tasks The taxpayer With it The student is like Preparation Practical Reporting and research etc

-Discussion Final ١٠٠ degrees

## 12.Sources Learning and teaching

Research Design: Qualitative, Quantitative, and Mixed Methods Approaches -John W. Creswell - 2014

Required books Required)Methodology that I found(

|                                                                                                 |                                                                                     |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Research Methodology: A Step-by-Step Guide for Beginners -Ranjit Kumar – 2014                   | Main ReferencesSources                                                              |
| The Craft of Research - Wayne C. Booth, Gregory G. Colomb, Joseph M. Williams - 2016            |                                                                                     |
| Designing and Conducting Mixed Methods Research - John W. Creswell, Vicki L. Plano Clark - 2011 | Books References The supporter which Recommended ( Scientific journals reports ,) ( |
| Library Nour R To download free books                                                           | References electronic, Locations The Internet                                       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>1. Course Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |
| Hematology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |
| <b>2. Course Code:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |
| IMA 216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |
| <b>3. Semester / Year :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |
| Second semester /Level ٢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |
| 15 theoretical hours / number of units ٣<br>١٠ Practicle hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |
| Name: Elaph Medalla Shuwaikh<br>Email: elaphmadallahsh@gmail.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |
| <p>Students learn about the types of blood cells such as red blood -١ cells, and platelets, and how they affect the body's blood cells, white . overall function</p> <p>Introducing students to blood diseases and disorders. Explaining -٢ the various diseases that affect the blood, such as anemia, clotting . thrombocytopenia, and leukemia, diseases</p> <p>Teach students how to perform different blood tests and -٣ . understand laboratory results related to blood health</p> <p>Introducing students The process of blood clotting and its -٤ . importance in stopping bleeding and preventing excessive blood loss</p> | <p><b>Subject Objectives Study</b></p> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |



|                                                                                                                                                                                                                                                                                                                                                                            |                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <p>Strategy Explanation of the study materials by the academic staff</p> <p>- Strategy Knowledge</p> <p>By homework vocabulary</p> <p>Strategy Discussion.</p> <p>.Self-learning strategy</p> <p>Strategy Education</p> <p>Electronic</p> <p>Study strategy</p> <p>Strategy Inference Ideas.</p> <p>Strategy Providing examples and visiting the library and websites.</p> | <p><b>Strategies Education</b></p> <p><b>Strategies Learning</b></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|

## 10. Course Structure :

| Method Evaluation                                                              | Learning method                                            | Name Unit or The subject                                                                      | Learning Outcomes Required                                                         | Hours | weeks |
|--------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------|-------|
| ,Reports theoretical exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | .Introduction to blood<br>.Study of blood content                                             | Student Definition with blood content                                              | ٣     | ١     |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter               | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Blood formation in the fetus, children and adults                                             | Student Definition in the process of blood formation                               | ٣     | ٢     |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter               | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Normal red blood cells, their importance, structure formation and function of red blood cells | Student Definition Red blood cells and their function                              | ٣     | ٣     |
| Theory exams<br>Oral and written<br>-semi terms<br>And a                       | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | ,Polycythemia, causes clinical signs and laboratory diagnosis                                 | Student Definition Causes of increased red blood cells and their effects on humans | ٣     | ٤     |

|                                                                  |                                                            |                                                                                                       |                                                                                                           |   |    |
|------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---|----|
| chapter                                                          |                                                            |                                                                                                       |                                                                                                           |   |    |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Study of red blood cell morphology in health and disease. Abnormalities in red blood cell(RBC) size . | Definition of students in Red blood cell size abnormalities                                               | ۳ | ۵  |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Abnormalities in the shape of red blood cells.                                                        | 'Students knowledge of the types of abnormal blood cells in terms of shapes                               | ۳ | ۶  |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Red blood cell color abnormalities.                                                                   | 'Students knowledge of abnormal red blood cell colors                                                     | ۳ | ۷  |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | The normal hemoglobin level in the blood, its content and its importance                              | Students' knowledge of the normal hemoglobin level in the human body for different ages and gender        | ۳ | ۸  |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Study of normalHb types .                                                                             | Students' knowledge of the normal types of hemoglobin in the human body and for different ages and gender | ۳ | ۹  |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | HeterogeneousHb types                                                                                 | Students' knowledge of the abnormal types of hemoglobin in the human body                                 | ۳ | ۱۰ |

|                                                                  |                                                               |                                                                                                     |                                                                                  |   |    |
|------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---|----|
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Anemia. Definition<br>.classification and types                                                     | Students' knowledge o<br>anemia and its type                                     | ۳ | ۱۱ |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Anemia. Causes, clinical<br>signs and laboratory<br>.findings                                       | Students' knowledge o<br>.anemia, clinical signs, etc                            | ۳ | ۱۲ |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | White blood cells, their<br>,function, types, maturation<br>abnormalities and diseases              | Students' knowledge o<br>white blood cells, their<br>function and type           | ۳ | ۱۳ |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Blood clotting, definition<br>,and types. Clotting factors<br>types of blood clotting<br>.disorders | blood Students learn how<br>.clots, clotting factors, etc                        | ۳ | ۱۴ |
| Theory exams<br>Oral and written<br>-semi terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Leukemia definition and<br>.classification                                                          | To familiarize student<br>with various blood<br>diseases, including<br>.leukemia | ۳ | ۱۵ |

## 11. Course Evaluation

Distribution Score from ۱۰۰ to According to Tasks The taxpayer With it The student is like Preparation Practical  
.Reporting and research etc

- Midterm examdegrees ۴۰

Final exam ۶۰ degrees -

## 12.Sources Learning and teaching

|                                                                                                                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Essentials of Blood Banking and Transfusion Medicine - Sally V. Rudmann, Ph.D - 2002                                                                                              | Required books Required) Methodology that I found(                                  |
| Modern Blood Banking & Transfusion Practices - Denise M. Harmening - 2012                                                                                                         | Main ReferencesSources                                                              |
| Transfusion Medicine and Hemostasis: Clinical and Laboratory Aspects - Christopher D. Hillyer, MD, Beth H. Shaz, MD, PhD, James C. Zimring, MD, PhD, Thomas C. Abshire, MD - 2013 | books References The supporter which Recommended ( Scientific journals , reports) ( |
| Library Nour R To download free books                                                                                                                                             | References electronic, Locations The Internet                                       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>١.Course name</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |
| Pharmacology                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |
| <b>Course code .٢</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| IMA ٢٠٩                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| <b>3.Semster/Year</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| First Semester / Level Two                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |
| <b>٥. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 30 hours of practical work + ٣٠ hours of theory / Number of units: ٤                                                                                                                                                                                                                                                                                                                                                                             |                      |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                       |                      |
| Name: Youssef Riad Mohammed<br>Email: yousef.alsajee@gmail.com                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| <b>8.Course objectives .</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |
| <p>Know the basics of pharmacology</p> <p>.Identify the effectiveness of drugs as well as the process of drug absorption and excretion</p> <p>Teaching students about dosage ratios and dosage form</p> <p>Knowing the effect of the treatment on the body and knowing the toxicity resulting from it in case of increasing the dose</p> <p>Use pharmaceutical in Experiments Laboratory To know Its effectiveness And its symptoms Sideways</p> |                      |
| <b>9.Teaching and learning strategies</b>                                                                                                                                                                                                                                                                                                                                                                                                        |                      |
| <p>Brainstorming strategy</p> <p>Teamwork Strategy</p> <p>Discussion strategy</p> <p>Case Study Strategy</p> <p>Inductive teaching strategy</p> <p>Concept mapping strategy</p> <p>Actual field training strategy</p> <p>Self–education strategy</p> <p>E–learning strategy</p>                                                                                                                                                                  | Education Strategies |

|                                                                                                                                                      |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Study strategy</b><br><b>Inference strategy</b><br><b>Spaced practice strategy</b><br><b>switching strategy</b><br><b>Example Giving Strategy</b> | <b>Learning strategies</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|

| 10.Course structure                                      |                                                            |                                                                                                                                                                    |                                                                                   |       |       |
|----------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|-------|
| Evaluation method                                        | Learning method                                            | Name of the unit or topic                                                                                                                                          | Required learning outcomes                                                        | Hours | we ek |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Introduction; Pharmacokinetics .and Pharmacodynamics<br>Drugs, Receptors                                                                                           | Introducing students to the basics of pharmacology<br>Drug dynamics               | ε     | ١     |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ;Dosage; Dosage estimation<br>.Factors affecting dosage<br>Dosage form.                                                                                            | Introduce students to ,dose estimation<br>factors affecting dose                  | ε     | ٢     |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ;Routes of administration: Oral ,injection, transdermal, rectal and other routes. Drug release.                                                                    | Introducing students to medication administration methods                         | ε     | ٣     |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ;Autonomic nervous system<br>parasympathetic nervous system<br>;ganglia; acetylcholine<br>Cholinergic drugs.                                                       | Introducing students to cholinergic drugs of the nervous system                   | ε     | ε     |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | ;autonomic nervous system<br>Ganglia of the nervous system<br>;Sympathetic acetylcholine<br>Cholinergic drugs.                                                     | Introducing students to cholinergic drugs of the nervous system                   | ε     | ٥     |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | :Sympathetic nervous system<br>.adrenaline; adrenergic drugs<br>Effects on the body and uses in medicine.                                                          | Introducing students to adrenergic drugs of the sympathetic .nervous system       | ε     | ٦     |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | :Sympathetic nervous system<br>.adrenaline; adrenergic drugs<br>Effects on the body and uses in medicine.                                                          | Introducing students to adrenergic drugs of the sympathetic .nervous system       | ε     | ٧     |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Drugs that affect the digestive system: uses of antacids for diarrhea, uses of drugs for constipation, laxatives and other drugs used for peptic ulcers, vomiting. | Introduce students to the uses of antacids for diarrhea and the .digestive system | ε     | ٨     |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Anticholinergic drugs; uses of atropine; side effects; drug used for spasm.                                                                                        | Introduce students to the uses of medications for spasms, - Choline<br>Atropine   | ε     | ٩     |

|                                                          |                                                            |                                                                                                                              |                                                                                |   |    |
|----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---|----|
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | A medicine used for the .respiratory system<br>,Expectorants, mucolytics bronchodilators. Uses of medicines to treat asthma. | Introduce students to the uses of medications to treat .asthma                 | ٤ | ١٠ |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | Drugs used for the cardiovascular system<br>;Bloody. Cardiotonic. Uses Toxic side effect.                                    | Introducing students Medications used for system Cardiovascular                | ٤ | ١١ |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | .Antiarrhythmic drugs<br>Vasodilator Heparin, Capron cycle; drug used for cholesterol                                        | Introducing students Antiarrhythmic drugs                                      | ٤ | ١٢ |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | .Antihypertensive drugs<br>Diuretics Adrenergic blockers                                                                     | Introducing students Antihypertensive drugs. Diuretics                         | ٤ | ١٣ |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | A medicine used for the .urinary system. Nephron<br>Antibiotics used to treat urinary tract infections.                      | Introducing students Medications for the treatment of urinary tract infections | ٤ | ١٤ |
| Reports, assignments, oral and written theoretical exams | ,Blackboard PowerPoint slides, e-learning, lab experiments | A medicine used for the .urinary system. Nephron<br>Antibiotics used to treat urinary tract infections.                      | Introducing students Medications for the treatment of urinary tract infections | ٤ | ١٥ |

#### 11.Course Evaluation .

,The grade is distributed out of ١٠٠ according to the tasks assigned to the student, such as daily preparation, daily .oral, monthly and written exams, reports, etc

Semester exam ٤٠ marks-

Final exam ٦٠ points-

#### 12.Learning and teaching resources .

|                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Tawfiq Al-Hussaini - Pharmacology - Ministry of Health - Health Education Foundation - ١٩٨٦                                                                                                                                                                                                                                                                                                             | Curriculum books, if any                                                   |
| Basic and Clinical Pharmacology" by Bertram G. Katzung, Susan B. Masters, and Anthony J. Trevor. 2017.<br><br>"The Pharmacological Basis of Therapeutics" by Laurence L. Brunton, Randa Hilal-Dandan, and Bjorn Knollmann.2017.<br><br>Pharmacotherapy: A Pathophysiologic Approach" by Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, and L. Michael Posey. 2020. | Main References (Sources)                                                  |
| Applied Biopharmaceutics & Pharmacokinetics" by Leon Shargel, Andrew BC Yu, and Susanna Wu-Pong. 2015.                                                                                                                                                                                                                                                                                                  | Recommended supporting books and references (scientific journals, reports) |
|                                                                                                                                                                                                                                                                                                                                                                                                         | Electronic references, websites                                            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>1. Course Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| <b>Occupational Safety Principles</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| <b>2. Course Code:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| IMA 212                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| <b>3. Semester / Year :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| Second semester/Level ٢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| <b>16-9-2024</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                 |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
| <b>30 theoretical hours / number of units ٢</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| <b>Name: Safaa Abdel Razek Kamel</b><br><b>Email: saidheg54@gmail.com</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| ١- Providing the necessary knowledge and skills for ,preventive precautions and emergency measures including training in the use of personal protective equipment and implementation of emergency plans.<br>2- To have the ability to think correctly and take - appropriate action in the event of any situation .occurring in the laboratory<br>٢- ,To know the dangers of fires, how to deal with them .and the rules of fire prevention<br>4- Providing the skills necessary to plan and implement ,safety programs and manage safety in the workplace including performance evaluation and continuous improvement.<br>5 To be familiar with safety instructions in laboratories .<br>6- identify the causes of accidents and common To incidents in the work environment, and to apply effective investigation techniques to address accidents and avoid their recurrence.<br>7 - Encouraging awareness of the importance of occupational safety and promoting safe behaviors in the workplace through awareness and training. | <b>Subject Objectives Study</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |



|                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <p><b>Strategy Explanation of the study materials by the academic staff</b></p> <ul style="list-style-type: none"> <li>- <b>Strategy Knowledge By homework vocabulary</b></li> </ul> <p><b>Strategy Discussion. Self-learning strategy</b></p> <p><b>Strategy Education Electronic</b></p> <p><b>Study strategy Strategy Inference Ideas. Strategy Providing examples and visiting the library and websites.</b></p> | <p><b>Strategies Education</b></p> <p><b>Strategies Learning</b></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|

## 10. Course Structure :

| Method Evaluation                                                     | Learning method                                   | Name Unit or The subject           | Learning Outcomes Required                                                       | Hours | week |
|-----------------------------------------------------------------------|---------------------------------------------------|------------------------------------|----------------------------------------------------------------------------------|-------|------|
| ,Reports theoretical exams Oral and written semi- terms And a chapter | Blackboard slides Education PowerPoint Electronic | - Introduction Occupational Safety | Introducing students to occupational safety and basic occupational safety skills | ٢     | ١    |
| Theory exams Oral -and written semi terms And a chapter               | Blackboard slides Education PowerPoint Electronic | Occupational safety goals          | Student Definition The main objectives of occupational safety                    | ٢     | ٢    |
| Theory exams Oral -and written semi terms And a chapter               | Blackboard slides Education PowerPoint Electronic | Work environment definition        | Introducing students to the work environment                                     | ٢     | ٣    |

|                                                                  |                                                               |                                                               |                                                                                               |   |    |
|------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---|----|
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Risk management                                               | Student<br>Definition<br>Work related risks and<br>management                                 | ۲ | ۴  |
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Risk management<br>objectives                                 | Student Definition<br>Main objectives of risk<br>management                                   | ۲ | ۵  |
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Personal Protective<br>Equipment - Types and<br>How to Use    | Students<br>knowledge of<br>personal<br>protective<br>and equipment<br>how to use it          | ۲ | ۶  |
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Chemical and physical<br>hazards                              | Students' knowledge of<br>physical and chemical<br>hazards and how to<br>deal with them       | ۲ | ۷  |
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Types of fires and fire<br>safety instructions                | Students' knowledge o<br>the dangers of fires and<br>how to deal with them                    | ۲ | ۸  |
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Identify and investigate<br>.accidents                        | Learn how to identify<br>the causes of common<br>accidents and incidents<br>.in the workplace | ۲ | ۹  |
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | To develop skills and<br>emergency measures                   | Students' knowledge o<br>how to implemen<br>emergency plans                                   | ۲ | ۱۰ |
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | To learn about<br>occupational safety laws<br>and regulations | Students' knowledge o<br>occupational safety<br>laws and regulations                          | ۲ | ۱۱ |
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | first aid                                                     | Students' knowledge o<br>the necessary and basic<br>first aid procedures                      | ۲ | ۱۲ |

|                                                                  |                                                               |                                                                                                                                             |                                                                                                        |   |    |
|------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---|----|
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Safety in closed spaces<br>, and confined spaces<br>the importance of<br>mental health in the<br>work environment and<br>how to enhance it. | Students learn how to<br>handle indoor safety<br>procedures and ways to<br>.promote mental health      | ٢ | ١٣ |
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | specific fields Safety in<br>,such as construction<br>chemical industries, oil<br>,and gas, medicine<br>.agriculture, etc                   | Students' knowledge o<br>safety methods in<br>different fields                                         | ٢ | ١٤ |
| Theory exams Oral<br>-and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Occupational safety<br>assessment tools and<br>how to use them.                                                                             | Students' knowledge o<br>occupational safety<br>assessment tools and<br>reports and how to use<br>them | ٢ | ١٥ |

## 11. Course Evaluation

Distribution Score from ١٠٠ to According to Tasks The taxpayer With it The student is like Preparation Daily And  
exams Daily and oral And monthly  
.Editorial and reports etc

- Semester exam marks ٣٠
- The Final Exam Degree ٠٧

## 12.Sources Learning and teaching

|                                                                                                                                                                                                                                                                                  |                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Occupational Safety and Health for Technologists, Engineers, and<br>Managers” by David L. Goetsch and Eugene R. Braswell.2021<br><br>Introduction to Occupational Health in Public Health Practice” by<br>Bernard J. Healey, Kenneth T. Walker, and Elizabeth T.<br>Masters.2019 | Required books Required)Methodology that<br>I found(                                    |
| Safety Professional's Reference and Study Guide" by W.<br>David Yates. 2019                                                                                                                                                                                                      | Main ReferencesSources                                                                  |
| Occupational Health and Safety Management: A Practical<br>Approach” by Charles D. Reese.2019                                                                                                                                                                                     | Books References The supporter which<br>Recommended ( Scientific journals<br>,reports ) |
| Noor Library To download Books Free.                                                                                                                                                                                                                                             | References electronic, Locations The<br>Internet                                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>1. Course Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| Primary health care                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| <b>2. Course Code:</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |
| IMA 207                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| <b>3. Semester / Year :</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |
| First semester /Level ٢                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                             |                                 |
| 30 theoretical hours / number of units ٢                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |
| 30 Practicle hours                                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                      |                                 |
| Name: Elaph Madallah Shuwaikh                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| Email: elaphmadallahsh@gmail.com                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |
| <p>The student should be able to know</p> <p>Maternity and child care programs -١</p> <p>Environmental health and environmental pollution -٢</p> <p>programs</p> <p>immunization programs against diseases and cold -٣</p> <p>chain</p> <p>Rural health care programs -٤</p> <p>School health programs-٥</p> <p>Infectious disease prevention programs - ٦</p> <p>Gaining skill and experience in educational and health -٧</p> <p>programs</p> | <b>Subject Objectives Study</b> |
| <b>9. Strategies Education and learning :</b>                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |

|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <p><b>Strategy Explanation of the study materials by the academic staff</b></p> <ul style="list-style-type: none"> <li>- <b>Strategy Knowledge By homework vocabulary</b></li> </ul> <p><b>Strategy Discussion. Self-learning .strategy</b></p> <p><b>Strategy Education Electronic</b></p> <p><b>Study strategy Strategy Inference Ideas. Strategy Providing examples and visiting the library and websites.</b></p> | <p><b>Strategies Education</b></p> <p><b>Strategies Learning</b></p> |
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## 10. Course Structure :

| Method Evaluation                                                     | Learning method                                            | Name Unit or The subject                                                                                                                                                                                                                                                  | Learning Outcomes Required                                                                                     | Hours | week |
|-----------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------|------|
| ,Reports theoretical exams Oral and written semi- terms And a chapter | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | - Health - Public Health<br>- Community Health<br>- Primary Health Care<br>Elements of Primary Health Care                                                                                                                                                                | Introducing students to public health – community health – primary health care elements of primary health care | ۲     | ۱    |
| Theory exams Oral and -written semi terms And a chapter               | Blackboard slides<br>Education<br>PowerPoint<br>Electronic | Family status assessment: family definition – family status assessment information collection – family card<br>Community assessment community definition information gathering diagnosis of health problem priorities problem analysis planning implementation evaluation | Student Definition<br>Family - Family assessment - Information collection - Family card                        | ۲     | ۲    |

|                                                                        |                                                               |                                                                                                                                                                                                                                                                     |                                                                                                      |   |    |
|------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---|----|
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter    | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Community Health<br>Nursing<br>– Development<br>Elements of<br>Primary Health<br>.Care                                                                                                                                                                              | Introducing students to<br>the development of<br>community health<br>nursing                         | ۲ | ۳  |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter    | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | – Community assessment<br>collecting information<br>– about the community<br>– analyzing the information<br>diagnosis – nursing the<br>health needs of the<br>community – developing a<br>– nursing care plan<br>– implementing the plan<br>evaluating nursing care | Introducing<br>students to<br>– Community assessment<br>gathering information<br>about the community | ۲ | ۴  |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter    | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Health education - its<br>objectives and means of<br>.mass communication                                                                                                                                                                                            | Introducing students to<br>Health education and its<br>objectives                                    | ۲ | ۵  |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a<br>chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Educational tools - rules for<br>using the tool - the role of<br>the nurse in health<br>.education                                                                                                                                                                  | Students' knowledge of the<br>role of the nurse in health<br>education                               | ۲ | ۶  |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter    | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | .Maternity and Child Care<br>Maternity care – its<br>.importance – its objectives<br>Mother's care during<br>.pregnancy                                                                                                                                             | Students' knowledge of the<br>and importance objectives<br>of maternal and child care                | ۲ | ۷  |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter    | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Maternal care during<br>childbirth. Maternal care<br>during the postpartum<br>period. The role of the<br>.nurse in maternity care                                                                                                                                   | Students' knowledge of<br>methods maternal care<br>during childbirth                                 | ۲ | ۸  |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter    | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Child care - its importance<br>its objectives. Newborn -<br>.care.<br>Infant Vaccinations - Child<br>.Care in Nurseries                                                                                                                                             | Students' knowledge of<br>newborn care methods                                                       | ۲ | ۹  |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter    | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Home visit - its importance<br>its objectives - planning -<br>.for the home visit                                                                                                                                                                                   | Students' knowledge of the<br>objectives and importance<br>of home visits                            | ۲ | ۱۰ |

|                                                                     |                                                               |                                                                                                                                                                                                                                                                                                                       |                                                                                                           |   |    |
|---------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---|----|
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Methods of communicating<br>with the head of the<br>household. Preparing<br>reports - duties of the nurse<br>in family nursing                                                                                                                                                                                        | Students' knowledge of the<br>duties of the nurse in<br>family nursing                                    | ٢ | ١١ |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | School health - its<br>objectives. School health<br>services - school health<br>environment                                                                                                                                                                                                                           | Students' knowledge of<br>the importance of school<br>health and its objectives                           | ٢ | ١٢ |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | - School health education<br>school card. The role of the<br>nurse in organizing the card                                                                                                                                                                                                                             | Students' awareness of<br>the importance of<br>School health education<br>and health card<br>organization | ٢ | ١٣ |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Immunization against<br>diseases - Types of<br>vaccines - B-C-G vaccine.<br>Triple vaccine - polio<br>vaccine - measles vaccine<br>- Mixed measles vaccine<br>vaccinations for pregnant<br>- women - typhoid vaccine<br>the role of the nurse in<br>immunization against<br>diseases                                  | Students' knowledge of<br>of methods<br>immunization against<br>diseases and types of<br>common vaccines  | ٢ | ١٤ |
| Theory exams<br>Oral and<br>-written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic | Cold chain - its importance<br>professional rules to -<br>ensure the effectiveness of<br>the cold chain - its<br>components - cold chain<br>procedures. Stages of<br>vaccine distribution - care<br>of vaccines in the<br>- refrigerator - health center<br>the role of the nurse in the<br>cold chain - registration | Students' knowledge of<br>the stages of vaccine<br>distribution                                           | ٢ | ١٥ |

## 11. Course Evaluation

Distribution Score from ١٠٠ to According to Tasks The taxpayer With it The student is like Preparation Daily And  
exams Daily and oral And monthly  
Editorial and reports etc

- semester exam ٤٠ marks
- Final Exam Degree ٦٠

## 12.Sources Learning and teaching

|                                                                                                                                                                                                                                              |                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| ,Hoda Abdel Ghani - Samira Marouf - Community Health Nursing<br>Solidarity Press, ١٩٨٥ / Baghdad<br>Fred, Community Medicine, 5th ED. London 1984.<br><br>Bayer. M. Community health NURRSING In Dev loping<br>country Oxford - London 1976. | Required books Required)Methodology that<br>I found(                                     |
| Freeman, Ruth Community Health Nursing Philadelphia,<br>1981.                                                                                                                                                                                | Main ReferencesSources                                                                   |
| M. Priest Modern text book for Nurses – 5th <sup>ed</sup> . - London 1977.                                                                                                                                                                   | Books References The supporter which<br>, Recommended ( Scientific journals<br>reports ) |
| Noor Library To download Books Free.                                                                                                                                                                                                         | References electronic, Locations The<br>Internet                                         |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>1. Course Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |
| Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                            |
| <b>2. Course Code:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                            |
| TIDO205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                            |
| <b>3. Semester / Year :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                            |
| First Semester /The year the second                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                            |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                            |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                            |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                            |
| Presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                            |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                            |
| 30 theoretical hours / number of units ٣                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                            |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                            |
| <b>Name: Hind Amer Ahmed</b><br><b>Email: hind.amer@ntu.edu.iq</b>                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                            |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                            |
| <ul style="list-style-type: none"> <li>- 1The goal Basic Grant Students Ability On Dealing With Concept Statistics.</li> <li>- Confirmation On Knowledge and skill Required To perform Duties And responsibilities<br/>Emergency medical technician Efficiently .</li> <li>- Application Concept Applications Statistics Vital In Medical field ٣</li> <li>- When Graduation The course It will be Students Able On Understand Applications Statistics<br/>In it The field Medical.</li> </ul> | <p style="text-align: center;"><b>Subject<br/>objectives<br/>Study</b></p> |

## 9. Strategies Education And learning :

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <p>Strategy Storm Mental</p> <p>Strategy Work Collective</p> <p>Discussion Strategy</p> <p>- Case Study Strategy -</p> <p>Inductive teaching strategy</p> <p>Conceptual Maps Strategy</p> <p>Strategy Training Field The practical-</p> <p>-Learning Strategy Self</p> <p>-Strategy Education Electronic</p> <p>-Strategy Memorandum</p> <p>- Conclusion Strategy -</p> <p>Strategy PracticeThe spaced</p> <p>Switching strategy Between Ideas</p> <p>-Strategy Presentation Examples</p> | <p><b>Strategies Education</b></p> <p><b>Strategies Learning</b></p> |
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## 10. Course Structure :

| Method Evaluation                                                                | Learning method                                         | Name Unit or The subject                                                                  | Learning Outcomes Required                  | Hours | week |
|----------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------|-------|------|
| Reports<br>theoretical exams<br>Oral and written<br>half Quarterly and quarterly | Blackboard<br>PowerPoint Slides<br>Education Electronic | Coordinates and drawing<br>Functions<br>Level- Functions- Value<br>The divorced Variances | Concepts<br>Basic mathematics               | ۲     | ۱    |
| Theory exams<br>Oral and written<br>half Quarterly and quarterly                 | Blackboard<br>PowerPoint Slides<br>Education Electronic | function<br>displacement<br>And the mile<br>And the equation of the straight line         | Equation Straight                           | ۲     | ۲    |
| Theory exams<br>Oral and written<br>half Quarterly and quarterly                 | Blackboard<br>PowerPoint Slides<br>Education Electronic | theory Purpose and conditions of continuity                                               | The expensive one<br>And continuity         | ۲     | ۳    |
| Theory exams<br>Oral and written<br>half Quarterly and quarterly                 | Blackboard<br>PowerPoint Slides<br>Education Electronic | purpose Infinity<br>Conditions of continuity<br>And applications                          | The expensive one<br>Including the infinite | ۲     | ۴    |

|                                                                     |                                                            |                                                                                 |                 |   |   |
|---------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------|---|---|
| Theory exams<br>Oral and written<br>half Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | Introduction Statistics and<br>statistical concepts and the<br>roads Statistics | Statistics Life | ۲ | ۵ |
|---------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------|---|---|

|                                                                     |                                                            |                                                                                                                                          |                                                 |   |    |
|---------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---|----|
| Theory exams<br>Oral and written<br>half Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | Statistical theory And its<br>applications                                                                                               | Concepts Statistics                             | ۲ | ۶  |
| Theory exams<br>Oral and written<br>half Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | Properties<br>probability; Defining<br>the theory And<br>blogging Group(<br>Basic Notation)                                              | Concept probability                             | ۲ | ۷  |
| Theory exams<br>Oral and written<br>half Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | Techniques Count-<br>Exchanges and<br>;combinations<br>calculating the<br>probability of events                                          | Techniques The<br>account And the count         | ۲ | ۸  |
| Theory exams<br>Oral and written<br>half Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | Probability distribution For<br>the variable<br>;separate<br>Distribution With<br>The two borders<br>Poisson distribution                | Distribution Poisson                            | ۲ | ۹  |
| Theory exams<br>Oral and written<br>half Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | probability<br>Continuous<br>distribution<br>and distribution<br>Natural                                                                 | Normal distribution                             | ۲ | ۱۰ |
| Theory exams<br>Oral and written<br>half Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | Sample average<br>And average Number<br>;population; The median<br>put Scale The tendency<br>Central ; Review<br>Questions and Exercises | Distribution Probability                        | ۲ | ۱۱ |
| Theory exams<br>Oral and written<br>half Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | s of differentiation And<br>the straight one<br>Tangent to curve and<br>applications                                                     | Concept<br>Measurements The<br>central tendency | ۲ | ۱۲ |

|                                                                     |                                                            |                                                                                                                                                         |                                                     |   |    |
|---------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---|----|
| Theory exams<br>Oral and written<br>half Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | Derivative of trigonometric<br>functions, their<br>applications and<br>exercises                                                                        | Derivative                                          | ۲ | ۱۳ |
| Theory exams<br>Oral and written<br>half Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | Factor Differences Error<br>traditional; Correlation<br>analysis<br>Application Statistics<br>In Medical field.<br>.Review questions<br>And exercises.. | Derivative functions<br>Trigonometry<br>Integration | ۲ | ۱۴ |

|                                                                     |                                                            |                                                                                                                   |                           |   |    |
|---------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------|---|----|
| Theory exams Oral<br>and written half<br>Quarterly and<br>quarterly | Blackboard<br>PowerPoint Slides<br>Education<br>Electronic | Deviations The difference:<br>deviation; Dispersion And<br>volatility.<br>Deviation Standard And the<br>contrast. | Deviation and<br>contrast | ۲ | ۱۵ |
|---------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------|---|----|

## 11. Course Evaluation

Distribution Score from ۱۰۰ to According to Tasks The taxpayer With it The student is like Preparation Daily  
And exams Daily and oral And monthly  
.Editorial and reports etc

- Semester Exam ۳۰ Degree
- Final Exam Degree ۷۰

## 12.Sources Learning and teaching

|                                                                                                                                                                                                                |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Introduction Statistics – seven edition-by Prem S. Mann-<br>Calculus-11 edition by Thomas-2005-<br>Biostatistics (A Foundation for Analysis in the Health -<br>Nine edition- by Wayne W. Daniel-2005 sciences) | The Book<br>Methodological |
| Calculus-11 edition by Thomas-2005 Biostatistics (A<br>Foundation for Analysis in the Nine edition- by<br>Wayne W. Health sciences) Daniel-2005                                                                | External<br>sources        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>1. Course Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |
| Crimes of Al-Baath regime                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |
| <b>2. Course Code:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |
| NTU 203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |
| <b>3. Semester / Year :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                      |
| First Semester /Level ٢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |
| 16-9-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                      |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                      |
| presence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                      |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                      |
| 30 Theoretical hour / counting units ٢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |
| <b>Name: Hakim Abdul-Jabbar Thamer</b><br><b>Email: Hakeem.abdulgabar@ntu.edu.iq</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                      |
| <b>8. Course Objectives :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                      |
| <ul style="list-style-type: none"> <li>- The goal Basic For material Crimes that He looks up Students On History ١</li> <li>The Tragic which Cause Party Mission In Iraq</li> <li>- Definition Students In types Crimes And its numbers Which No Counted ٢.</li> <li>- Awareness Generations The Ascending By the roads Twisted For the ٢</li> <li>system administration Mission The tyrant.</li> <li>- Study Motives Which It was behind Implementation Crimes Mission ٣</li> <li>Right The people.</li> <li>- Study Path Mission Politically And administratively And militarily ٤.</li> </ul> | <b>Objectives The material Study</b> |

|                                               |
|-----------------------------------------------|
| <b>9. Strategies Education And learning :</b> |
|-----------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                   |                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <ul style="list-style-type: none"> <li>-Strategy Storm Mental</li> <li>Strategy Work Group-</li> <li>Discussion Strategy</li> <li>- Strategy Study Status -</li> <li>Inductive teaching strategy</li> <li>Conceptual Maps Strategy-</li> <li>Strategy Training Field Practical</li> <li>Self-learning strategy</li> <li>-Strategy Education Electronic</li> </ul> | <p><b>Strategies Education</b></p> |
| <ul style="list-style-type: none"> <li>-Strategy Memorandum</li> <li>- Strategy Conclusion -</li> <li>Strategy PracticeThe spaced</li> <li>Strategy Switch Between Ideas</li> <li>-Example Presentation Strategy</li> </ul>                                                                                                                                       | <p><b>Strategies Learning</b></p>  |

## 10. Course Structure :

| Method Evaluation                                                              | Learning method                                                | Name Unit or The subject                                          | Learning Outcomes Required                                       | Hours | weeks |
|--------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-------|-------|
| ,Reports<br>theoretical exams<br>-Oral and written semi terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Basic Terms                                                       | Students' knowledge of basic terms                               | ٢     | ١     |
| Theory exams<br>-Oral and written semi terms<br>And a chapter                  | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Date Origin The mission In Iraq                                   | To acquaint students with the history of the Baath Party         | ٢     | ٢     |
| Theory exams<br>-Oral and written semi terms<br>And a chapter                  | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Types The crime.                                                  | 'Students knowledge of types of crime                            | ٢     | ٣     |
| Theory exams<br>,Oral and written semi- quarterly and quarterly                | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Reasons Crimes And its reasons.                                   | Students' knowledge of the causes and motives of crimes          | ٢     | ٤     |
|                                                                                |                                                                |                                                                   |                                                                  |       |       |
| Theory exams<br>-Oral and written semi terms<br>And a chapter                  | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Executors Crimes The mission And his leadership<br>The oppressor. | Students know the perpetrators of Baath crimes and their leaders | ٢     | ٥     |

|                                                                  |                                                                |                                                     |                                                                                      |   |    |
|------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------|---|----|
| Theory exams<br>-Oral and written semi<br>terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Overview Nations United To<br>Crime<br>The mission. | Students' knowledge of<br>the crimes of the Baath<br>'and the United Nations<br>view | ٢ | ٦  |
| Theory exams<br>-Oral and written semi<br>terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Rights Human And crimes<br>The mission.             | Students' knowledge of<br>human rights and the<br>crimes of the Baath<br>Party       | ٢ | ٧  |
| Theory exams<br>-Oral and written semi<br>terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Violations System The<br>mission For human rights   | Students' awareness<br>of the Baath<br>regime's human<br>rights violations           | ٢ | ٨  |
| Theory exams<br>-Oral and written semi<br>terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Crimes Military                                     | Students' knowledge of<br>military crimes                                            | ٢ | ٩  |
| Theory exams<br>-Oral and written semi<br>terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Crimes Politics                                     | Students' knowledge of<br>political crimes                                           | ٢ | ١٠ |
| Theory exams<br>-Oral and written semi<br>terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Crimes Economic                                     | Students' knowledge of<br>economic crimes                                            | ٢ | ١١ |
| Theory exams<br>-Oral and written semi<br>terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Crimes The city                                     | 'Students<br>knowledge of civil crimes                                               | ٢ | ١٢ |
| Theory exams<br>-Oral and written semi<br>terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Crimes Social                                       | Students' knowledge of<br>social crimes                                              | ٢ | ١٣ |
| Theory exams<br>-Oral and written semi<br>terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Crimes Extermination                                | Students' knowledge of<br>genocide crimes                                            | ٢ | ١٤ |

|                                                                |                                                                            |                                            |                                                                                     |   |    |
|----------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|---|----|
| Theory exams<br>Oral and written<br>Half term<br>And a chapter | Black<br>board<br>PowerPo<br>int Slides<br>Educa<br>tion<br>Electroni<br>c | Review lectures In a way<br>Comprehensive. | Students' extensive<br>knowledge of the<br>curriculum and review of<br>the material | ٢ | ١٥ |
|----------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|---|----|

## 11. Course Evaluation

Distribution Score from ١٠٠ to According to Tasks The taxpayer With it The student is like Preparation Daily And exams Daily and oral And monthly  
.Editorial and reports etc

- The Semester exam degrees ٣٠
- The Final Exam Degree ٧٠

## 12.Sources Learning and teaching

|                                                                                                                                                                     |                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|                                                                                                                                                                     | Required books Required)<br>Methodology that<br>I found(                                      |
| clash Hussein The origin Date of the crime- Father Peace slave<br>,Allah- ١٩٩٠<br>,Saddam's mission Vision From Inside System authoritarian<br>Youssef Sasson- ٢٠١٥ | Main References<br>Sources                                                                    |
|                                                                                                                                                                     | Books References The<br>supporter which<br>) Recommended<br>Scientific journals,<br>,reports( |
| Location Organization Rights Human Follower For the nations United.                                                                                                 | ,References electronic<br>Locations The Internet                                              |



|                                                                                                                                                                                                                                                       |                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>١. Course name :</b>                                                                                                                                                                                                                               |                                             |
| Nutrition and food processing                                                                                                                                                                                                                         |                                             |
| <b>٢. Course Code :</b>                                                                                                                                                                                                                               |                                             |
| IMA 214                                                                                                                                                                                                                                               |                                             |
| <b>٣. semester / Year :</b>                                                                                                                                                                                                                           |                                             |
| First Semester /Level ٢                                                                                                                                                                                                                               |                                             |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                               |                                             |
| 16-9-2024                                                                                                                                                                                                                                             |                                             |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                 |                                             |
| presence                                                                                                                                                                                                                                              |                                             |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                   |                                             |
| 30 Theoretical hour / counting units ٢                                                                                                                                                                                                                |                                             |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                            |                                             |
| Name: Safaa Abdel Razek Kamel<br>Email: saidheg54@gmail.com                                                                                                                                                                                           |                                             |
| <b>٨. Objectives The decision</b>                                                                                                                                                                                                                     |                                             |
| <p>The student should be able to know the basics of nutrition and food processing</p> <p>1-.Knowledge of nutritional guidelines and nutritional needs</p> <p>2-Nutrients</p> <p>3-Choosing meals</p> <p>4-Nutrition of patients and special cases</p> | <p><b>Objectives The material Study</b></p> |

## 9. Strategies Education and learning :

Strategy Storm Mental  
 Strategy Work Group-  
 Discussion Strategy  
 - Strategy Study Status - Inductive  
 teaching strategy Conceptual Maps  
 Strategy- Strategy Training Field  
 PracticalSelf-learning strategy  
 -Strategy Education Electronic

**Strategies  
Education**

-Strategy Memorandum  
 - Strategy Conclusion - Strategy  
 PracticeThe spaced Strategy  
 Switch Between Ideas-  
 Example Presentation Strategy

**Strategies  
Learning**

### ١٠. Course Structure:

| Method Evaluation                                                                 | Learning method                                                | Name Unit or The subject                                                                                                                  | Learning Outcomes Required                                                      | Hours | weeks |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------|-------|
| ,Reports<br>theoretical exams<br>-Oral and written semi<br>terms<br>And a chapter | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic  | Healthy nutrition - the<br>importance of a balanced diet<br>.how the body uses food -                                                     | Students' knowledge of<br>the importance of a<br>balanced diet                  | ٢     | ١     |
| Theory exams Oral<br>and written semi- terms<br>And a chapter                     | Blackboard<br>slides<br>Education<br>PowerPoint<br>Electronic  | Daily nutritional standards<br>- and recommendations<br>nutritional needs of<br>.individuals                                              | Students' knowledge of<br>daily nutritional<br>standards and<br>recommendations | ٢     | ٢     |
| Theory exams Oral<br>and written semi- terms<br>And a chapter                     | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | - Nutrients in food<br>- Carbohydrates<br>- Classification - Functions<br>- Carbohydrates in food<br>Carbohydrate needs - Tooth<br>.decay | 'Students<br>knowledge of<br>the nutrients in<br>food                           | ٢     | ٣     |
| Theory exams Oral<br>-and written, semi<br>quarterly and quarterly                | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Natural dietary fiber - its sources<br>the importance of fiber - the -<br>relationship between fiber and<br>.heart disease                | Students' knowledge of<br>natural dietary fibers                                | ٢     | ٤     |

|                                                               |                                                                |                                                                                                                                                                          |                                                           |   |   |
|---------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---|---|
| Theory exams Oral<br>and written semi- terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Fats - Essential fatty acids - The<br>role of fats in the body - Fats in<br>food - Nutritional needs - The<br>relationship between fats and<br>.heart disease and cancer | Students' knowledge<br>the role of fats in of<br>the body | ۲ | ۵ |
|---------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---|---|

|                                                               |                                                                |                                                                                                                                                                     |                                                                  |   |    |
|---------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---|----|
| Theory exams Oral<br>and written semi- terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Proteins - amino acids - food<br>- as a source of amino acids<br>functions of proteins - the<br>need for proteins - food<br>.sources                                | Students' knowledge of<br>proteins in the role of<br>the body    | ۲ | ۶  |
| Theory exams Oral<br>and written semi- terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Energy - The body's energy<br>- needs - Energy balance<br>- Caloric value of foods<br>.Nutrition tables                                                             | Students' knowledge of<br>the body's the role of<br>energy needs | ۲ | ۷  |
| Theory exams Oral<br>and written semi- terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Water - its distribution in<br>- the body - its functions<br>individual water<br>requirement for<br>- electrolytes in the body<br>- sodium - potassium<br>.chloride | Students' knowledge<br>individual water of<br>needs              | ۲ | ۸  |
| Theory exams Oral<br>and written semi- terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Mineral salts - calcium - iron<br>.iodine -                                                                                                                         | Students' knowledge of<br>mineral salts                          | ۲ | ۹  |
| Theory exams Oral<br>and written semi- terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Fat-soluble vitamins Vitamin<br>KDA .                                                                                                                               | Students' knowledge of<br>fat-soluble vitamins                   | ۲ | ۱۰ |
| Theory exams Oral<br>and written semi- terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | :Water-soluble vitamins<br>VitaminC, B12, B6, B1, B2,<br>.. .Folic acid, Thiamine –                                                                                 | Students' knowledge o<br>water-soluble vitamin                   | ۲ | ۱۱ |
| Theory exams Oral<br>and written semi- terms<br>And a chapter | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Choosing meals - Food<br>classification - The four food<br>groups - Nutritional value of<br>.food groups                                                            | 'Student<br>knowledge of the fou<br>food group                   | ۲ | ۱۲ |

|                                                         |                                                    |                                                                                                                                             |                                                     |   |    |
|---------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---|----|
| Theory exams Oral and written semi- terms And a chapter | Black board slides Education PowerPoint Electronic | Vegetarian food - natural (healthy) food - nutritional .education                                                                           | Students' knowledge o vegetarian food               | ٢ | ١٣ |
| Theory exams Oral and written semi- terms And a chapter | Black board slides Education PowerPoint Electronic | Nutritional status assessment Medical and clinical - assessment - Laboratory and - biochemical assessment Physical measurements .assessment | Students' knowledge o nutritional status assessment | ٢ | ١٤ |
| Theory exams Oral and written Half term And a chapter   | Black board PowerPoint Slides Education Electronic | Assessment of food - consumption Epidemiological research .methods in nutrition                                                             | Students' knowledge of food intake assessment       | ٢ | ١٥ |

## ١١. Course Evaluation

Distribution Score from ١٠٠ to According to Tasks The taxpayer With it The student is like Preparation Daily And exams Daily and oral And monthly .Editorial and reports etc

- The Semester exam degrees ٣٠
- The Final Exam Degree ٧٠

## ١٢. Sources Learning and teaching

|                                                                                                                                                                                         |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Nutrition: Concepts and Controversies" by FrancesSizer and Ellie Whitney - Year: 2021                                                                                                   | Required books Required) Methodology that I found(                                |
| Advanced Nutrition and Human Metabolism" by Sareen S. Gropper and Jack L. Smith - Year: 2020.                                                                                           | Main References Sources                                                           |
| The Science and Practice of Nutrition Support" by Carol Ireton-Jones - Year: 2016<br>"Clinical Nutrition: A Functional Approach" by the Institute for Functional Medicine - Year: 2014. | Books References The supporter which ) Recommended Scientific journals, ,reports( |
|                                                                                                                                                                                         | ,References electronic Locations The Internet                                     |

|                                                                                                                                                                                                                                                                                                                          |                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>١. Course Name :</b>                                                                                                                                                                                                                                                                                                  |                                             |
| Professional ethics                                                                                                                                                                                                                                                                                                      |                                             |
| <b>٢. Course Code :</b>                                                                                                                                                                                                                                                                                                  |                                             |
| NTU204                                                                                                                                                                                                                                                                                                                   |                                             |
| <b>٣. semester / Year :</b>                                                                                                                                                                                                                                                                                              |                                             |
| First Semester /Level ٢                                                                                                                                                                                                                                                                                                  |                                             |
| <b>4. Description Preparation Date:</b>                                                                                                                                                                                                                                                                                  |                                             |
| 16-9-2024                                                                                                                                                                                                                                                                                                                |                                             |
| <b>5. Available Attendance Forms:</b>                                                                                                                                                                                                                                                                                    |                                             |
| presence                                                                                                                                                                                                                                                                                                                 |                                             |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total):</b>                                                                                                                                                                                                                                                      |                                             |
| 30 Theoretical hour / counting units ٢                                                                                                                                                                                                                                                                                   |                                             |
| <b>7. Course administrator's name (mention all, if more than one name)</b>                                                                                                                                                                                                                                               |                                             |
| Name: Osama Ziad Taha<br>Email: osamaaldouri95@gmail.com                                                                                                                                                                                                                                                                 |                                             |
| <b>٨. Course Objectives</b>                                                                                                                                                                                                                                                                                              |                                             |
| <p>Learn the basic ethics of professional conduct for workers in medical specialties</p> <p>Qualifying the graduate on professional behavior in dealing with his profession and achieving harmony with himself and his professional environment. (The patient , his companions, health workers and .(medical devices</p> | <p><b>Objectives The material Study</b></p> |

## 9. Strategies Education and learning :

Strategy Storm Mental  
 Strategy Work Group-  
 Discussion Strategy  
 - Strategy Study Status - Inductive  
 teaching strategy Conceptual Maps  
 Strategy- Strategy Training Field  
 PracticalSelf-learning strategy  
 -Strategy Education Electronic

**Strategies  
Education**

-Strategy Memorandum  
 - Strategy Conclusion - Strategy  
 PracticeThe spaced Strategy  
 Switch Between Ideas-  
 Example Presentation Strategy

**Strategies  
Learning**

### ١٠. Structure Decision:

| Method Evaluation                                                                                                                       | Learning method                                                                                                      | Name Unit or The subject                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Learning Outcomes Required                                                                          | Hours | weeks |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------|-------|
| <p>Reports<br/>           theoretical exams<br/>           -Oral and written semi<br/>           terms<br/>           And a chapter</p> | <p>Blackboard<br/>           slides<br/>           Education<br/>           PowerPoint<br/>           Electronic</p> | <p>- Professional behavior<br/>           - definition - concept<br/>           practical applications - the<br/>           relationship between<br/>           employees and their<br/>           .managers<br/>           Principles of professional<br/>           ethics in the stages of<br/>           civilizational developments<br/>           History of nursing - The -<br/>           - beginning of nursing<br/>           Nursing in different<br/>           religions - Nursing in the<br/>           early days of Islam - Arab<br/>           .and Islamic civilization</p> | <p>Students' awareness of<br/>           the importance of<br/>           professional behavior</p> | ٢     | ١     |
| <p>Theory exams Oral<br/>           and written semi- terms<br/>           And a chapter</p>                                            | <p>Blackboard<br/>           slides<br/>           Education<br/>           PowerPoint<br/>           Electronic</p> | <p>Modern nursing - nursing in<br/>           Iraq - development of the<br/>           profession - opening<br/>           schools, institutes and<br/>           colleges specializing in<br/>           .nursing<br/>           Professional ethics and<br/>           nursing - definition of the<br/>           - profession - rules of ethics<br/>           - rules of professional ethics<br/>           .ethics - morals</p>                                                                                                                                                          | <p>Students' knowledge of<br/>           - modern nursing<br/>           Nursing in Iraq</p>        | ٢     | ٢     |

|                                                                    |                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                         |   |   |
|--------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---|---|
| Theory exams Oral<br>and written semi- terms<br>And a chapter      | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | The importance of<br>professional ethics - the<br>qualities and ethics that must<br>be present in the nurse - the<br>historical roots of the ethics<br>- of the nursing profession<br>the characteristics of modern<br>nursing. Professional<br>constitutions and their<br>benefits - definition of the<br>law - definition of the<br>constitution of professional<br>ethics - benefits of<br>professional constitutions                                                                                                                                                   | To familiarize<br>students with the<br>qualities and<br>ethics that must<br>be present in<br>male and female<br>.nurses | ٢ | ٣ |
| Theory exams Oral<br>-and written, semi<br>quarterly and quarterly | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | - Nursing Services Rules<br>- Humanity of Nursing<br>International Council of Nursing<br>Code and Basic Nurse<br>.Responsibility<br>Nurse and relationships - the<br>relationship between the nurse<br>and people - the relationship<br>between the nurse and the<br>practice of the profession - the<br>relationship between the nurse<br>and society - the relationship<br>- between the nurse and her staff<br>the relationship between the<br>nurse and the profession - the<br>relationship between the nurse<br>and the doctor - the relationship<br>.between nurses | Students' knowledge of<br>nursing services rules                                                                        | ٢ | ٤ |
| Theory exams Oral<br>and written semi- terms<br>And a chapter      | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Values and their effects on<br>- professional practice<br>- Definition of values<br>- Classification of values<br>- Nursing and values<br>- Formation of values<br>- Methods of forming values<br>The effect of growth on the<br>acquisition of values.<br>- Classification of values<br>- theoretical values<br>economic values - aesthetic<br>- values - social values<br>religious values - political<br>.values                                                                                                                                                        | Students' knowledge<br>of values the role of<br>and their effects on<br>professional practice                           | ٢ | ٥ |
| Theory exams Oral<br>and written semi- terms<br>And a chapter      | Black<br>board slides<br>Education<br>PowerPoint<br>Electronic | Personal and professional<br>values in nursing - Types of<br>values - Personal values of<br>the nurse - Professional<br>.values of the nurse                                                                                                                                                                                                                                                                                                                                                                                                                               | Students' knowledge of<br>personal and the role of<br>professional values in<br>nursing                                 | ٢ | ٦ |

|                                                         |                                                    |                                                                                                                                                                                                                                                                                                                  |                                                                                                        |   |    |
|---------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---|----|
| Theory exams Oral and written semi- terms And a chapter | Black board slides Education PowerPoint Electronic | Habits and their impact on nursing practice - Definition - of habits - Types of habits Motor habits - Intellectual - habits - Emotional habits .Moral habits                                                                                                                                                     | Students' knowledge of of habits and the role their impact on nursing practice                         | ۲ | ۷  |
| Theory exams Oral and written semi- terms And a chapter | Black board slides Education PowerPoint Electronic | Personality - Meaning of personality - Definition of personality - Theories of importance in the study of personality - Crenshaw's - theory - Shelron's theory .Jung's theory                                                                                                                                    | Students' knowledge of character and theories                                                          | ۲ | ۸  |
| Theory exams Oral and written semi- terms And a chapter | Black board slides Education PowerPoint Electronic | - Personality types - introverted - humane hysterical - gloomy - volatile - anxious - obsessive - .skeptical - aggressive                                                                                                                                                                                        | Students' knowledge of personality types                                                               | ۲ | ۹  |
| Theory exams Oral and written semi- terms And a chapter | Black board slides Education PowerPoint Electronic | Nurse appearance and professional nursing uniform rules and duties followed - by the nurse - personal and professional qualities of the nurse - professional standards required by the .nursing profession                                                                                                       | of Students' knowledge nursing professional dress - rules and duties followed by the nurse             | ۲ | ۱۰ |
| Theory exams Oral and written semi- terms And a chapter | Black board slides Education PowerPoint Electronic | The role of the nurse in some professional situations in the - hospital for some practices negligence - falling - errors resulting from giving - medications - dropping burns - suicide - practicing medicine - preserving the - patient's personal property failure to observe and record .information          | Students know the role of the nurse in some professional situations in .the hospital                   | ۲ | ۱۱ |
| Theory exams Oral and written semi- terms And a chapter | Black board slides Education PowerPoint Electronic | Regulations and instructions the importance of adhering - to implementing regulations and instructions - the role of the nurse in obeying and implementing regulations and instructions. Mental - health and how to prevent it - definition of mental health factors affecting the provision of mental health to | 'Student awareness of the importance of adhering to the implementation of regulations and instructions | ۲ | ۱۲ |



|                                                             |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                               |   |    |
|-------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---|----|
|                                                             |                                                                         | the individual - Maslow's pyramid - prevention of mental illnesses - the foundations and objectives that must be adopted as a .guide for the nurse's work                                                                                                                                                                                                                                                                                                                 |                                                                                               |   |    |
| Theory exams Oral and written semi- terms<br>And a chapter  | Black board slides<br>Education<br>PowerPoint<br>Electronic             | Occupational health and - safety of hospital workers<br>Division of hospital workers<br>Occupational hazards to - which the medical group is exposed.<br>Prevention of occupational hazards - Prevention of work - hazards and accidents<br>Prevention of the risks of bacterial and radioactive contamination - Prevention of the risks of infectious .diseases                                                                                                          | Students' knowledge of occupational health and safety for hospital workers                    | ٢ | ١٣ |
| Theory exams Oral and written semi- terms<br>And a chapter  | Black board slides<br>Education<br>PowerPoint<br>Electronic             | – Communication<br>– Communication methods<br>– Direct communication<br>– (individual – group)<br>– Indirect communication<br>– Communication methods<br>How the nurse communicates with the patient and conveys the .correct health idea<br>Behavioral treatment of the .patient<br>Receiving and dealing with - the patient - maintaining .professional secrets<br>Setting appointments for - the required procedure .requirements<br>Preserving the patient's - .needs | Students' knowledge of communication and communication methods                                | ٢ | ١٤ |
| Theory exams Oral and written<br>Half term<br>And a chapter | Black board<br>PowerPo<br>int Slides<br>Educa<br>tion<br>Electroni<br>c | Behavioral handling of medical devices and .equipment<br>,Daily review of devices - .tools and solutions<br>Requirements and their - ,preparation for daily work maintenance, preservation and preservation - Preparing the necessary medicines and .disposing of them well<br>Applications in professional .behavior                                                                                                                                                     | Students' awareness of the of behavioral importance handling of medical devices and equipment | ٢ | ١٥ |

## ١١. Course Evaluation

Distribution Score from ١٠٠ to According to Tasks The taxpayer With it The student is like Preparation Daily And exams Daily and oral And monthly .Editorial and reports etc

- The semester degrees ٣٠
- The Final Exam Degree ٧٠

## ١٢. Sources Learning and teaching

|    |                                                                                                                         |                                                                                  |
|----|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 1- | Ethics for the Professions" by John Rowan and Samuel Zinaich -: 2019.                                                   | Required books Required) Methodology that I found)                               |
| 2- | "Principles of Biomedical Ethics" by Tom L. Beauchamp and James F. Childress -: 2019.                                   | Main References Sources                                                          |
| 3- | "Ethics and Professionalism in Healthcare: Transition and Challenges" by Sabine Salloch and other contributors -: 2020. | Books References The supporter which ) Recommended Scientific journals, reports) |