

**Ministry of Higher Education & Scientific Research  
Supervision and Scientific Evaluation Directorate  
Quality Assurance and Academic Accreditation  
International Accreditation Dept.**



# **Guide to Course Descriptions and Academic Programs for 2025**

Ministry of Higher Education & Scientific Research  
Supervision and Scientific Evaluation Directorate  
Quality Assurance and Academic Accreditation  
International Accreditation Dept.

University: Northern Technical University

Faculty/Institute: Al-dour Technical Institut

Department: Immediate Ambulance

Name of the academic or professional program: Technical diploma in Immediate Ambulance

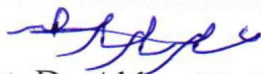
Name of the final certificate: Technical diploma in Immediate Ambulance

Academic system: Course system

File preparation date: 4-2-2025

File filling date: 5-2-2025

Signature:



Head of Department: Dr. Abbas Hadi Hammadi

Date: 5 / 2 /2025

Signature:



Assistant Professor Hanan Shahab Ahmed

Date: 5 / 2 /2025

Check the file by  
Quality Assurance and University Performance Division  
Name of the director of the Quality Assurance and  
University Performance Division:

Signature



Hayder Ali Mohssn



Dean's endorsement

Assist. Prof. Dr. Maha Elttayef Jasim

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 required 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
nothing

6. Program Structure				
Program Structure	Number of courses	Study unit	Percentage	Notes *
University Requirements	10	20	21.50	core courses 9 and 1 elective
Institute Requirements	5	14	15.05	core courses 5
Department Requirements	17	59	63.44	core courses 15 and 2 electives
Summer training	Completed			essential
Other	nothing			

7. Program Description				
Year\Level	Code of the course	Name of the course	Approved hours	
			theoretical	practical
<b>First Level</b>		Immediate aid 1 level	28	16
<b>Second Level</b>		Immediate aid level 2	30	19
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 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				
Skills				
1-Qualifying students to work and integrate into multidisciplinary teams 2- Qualifying students to provide first aid to all emergency cases and critical injuries inside the ambulance and to perform the necessary operations such as artificial respiration in the event of respiratory arrest, cardiac massage in the event of respiratory arrest, basic cardiopulmonary resuscitation and other operations until the patient reaches the hospital 3-Qualifying students to use modern technologies, skills and specialized tools in the field of immediate first aid 4- Qualifying the student to identify the patient's injury and the ability to carry the patient correctly without complications of the injury.				
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)

## 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		Microbiology genetics	Life Sciences	lecturer
institution's staff		Microbiology	Life Sciences	Assistant lecturer
Outside the institution's staff		Tissues and embryos	Life Science Education	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 lecturer

## Professional development

Orientation of new faculty members

Professional development for faculty members

## 12. Acceptance standard

The admission criteria is through the central admission method within the ministry's plan and according to the student's branch in middle 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. Identifying modern scientific developments
3. Participation in international and local conferences
4. Participation in scientific workshops inside and outside Iraq
5. Hosting scientific competencies in the field of specialization

## Courses □ First Level

Study plan for the first level for the academic year 2024-2025										
Immediate Ambulance Department - Level 1										
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		
NTU 100	general	the first		2	-	2	Democracy and Human Rights	الديمقراطية وحقوق الانسان	compulsory	University requirements %22.7 (units 10) 8 compulsory units 2 elective units
NTU 101	assistant	the first		2	-	2	English language	اللغة الإنكليزية	compulsory	
NTU 102	assistant	the first		2	1	1	Computer	الحاسوب	compulsory	
NTU 103	assistant	the first		2	-	2	Arabic Language	اللغة العربية	compulsory	
NTU 104	general	the second		2	1	1	Sport	الرياضة	Optional	
NTU 105	general	the second		2	-	2	French Language	اللغة الفرنسية	Optional	
				10	2	10				the total
TID O 106	specialty	the first		4	2	2	Physiology	علم وظائف الاعضاء	compulsory	Institute Requirements %27.2 (units 12) 12 compulsory 0 optional
TID O 107	specialty	the second		4	2	2	Anatomy	التشريح	compulsory	
TID O 108	assistant	the first		2	-	2	Safety of laboratories and workshops	سلامة المختبرات والورش	compulsory	
TID O 109	assistant	the second		2	-	2	Medical Terminologies	المصطلحات الطبية	compulsory	
				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) 20 mandatory 4 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			

## Courses □ Second Level

Curriculum for the second level for the academic year 2024-2025										
Immediate Ambulance Department - Level 2										
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 %17.02 (units 10) 10 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 1	compulsory	Department requirements %78.72 Specialization requirements 34 (37) Compulsory 6 Elective (3 units) The student has the freedom to choose them for the purpose of completing the graduation requirements
IMA 207	specialty	the first		4	2	2	Primary Health Care	الرعاية الصحية الأولية	compulsory	
IMA 208	specialty	The second		4	2	2	Emergency Nursing 2	تمريض طوارئ 2	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	
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 214	assistant	the first		2	-	2	Nutrition and Diet Therapy	علم الغذاء والمعالجة الغذائية	compulsory	
IMA 215	assistant	the second		2	2	-	Research Proposal	مشروع التخرج	compulsory	
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				the total
				47			Total units for the second level			



## Curriculum Skills Chart

Please tick in the relevant boxes where individual Program Learning Outcomes are being assessed

### Program Learning Outcomes

Year/ level	Course Code	Course Title	Core (C) Title or Option (O)	Knowledge and understandi ng				Subject- specifi c skills				Thinking Skills				General and Transferable Skills relevant to employability and personal development			
				A1	A2	A3	A4	B1	B 2	B 3	B 4	C1	C2	C 3	C4	D1	D2	D 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 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																

# **Description Courses - First Level**

<b>1.Course name :</b>	
Nursing basics	
<b>2. Course Code :</b>	
IMA112	
<b>3. Semster/ Level :</b>	
Second semester /level one	
<b>4. Date Preparation This the description:</b>	
4/2/2025	
<b>5. Forms Attendance Available:</b>	
presence	
<b>6. numbers Hours Academic( total) / Number Units ( total) :</b>	
30 Practical hours + theoretical hours 30 / number of units 4	
<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 Identify vital signs, temperature, breathing, blood pressure, pulse and their methods Learn about the history of nursing and the nurse and know his duties Identify the types of hospitals and their departments	<b>Objectives of the subject Academic</b>
<b>9. Strategies Education and learning :</b>	

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

## 10. Course Structure

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

,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Management and discharge of the patient from the hospital, detailed chart, oral report, written report , nursing process . Assessment, planning, ) implementation, (evaluation.	Introducing students to the basics of patient discharge management	4	3-2
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Physical examination, point preparation. For examination, the nurse's role in physical examination, collecting samples, preparing equipment, and throwing . fluids	Introducing students to the basics of physical examination and preparing equipment, forms, and samples	4	5-4
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Body mechanics, body posture, principle of body mechanics, . complete work	Introducing students to the basics of posture and body mechanics	4	6
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Basic needs for physical therapy care. Care of the physical therapy unit, bed arrangement, causes of lack of physical comfort, mental health and . psychotherapy support	Introducing students to the basics of physical therapy and mental health	4	8-7
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Body hygiene, dental care, skin, mouth, physical therapy bath. Type of bath, care for sores, their causes and . prevention	Introducing students to the basics of patient physical care	4	10-9

,Reports Assignment s, theoretical exams Oral and written	Blackb oard slides Education PowerPoint Conducting experiments electronically laboratory	Fluids and nutrients, nutrition, physical therapy agents - nutrients and body waste, gastrostomy tube	Introducing students to the basics of patient nutrition	4	11
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Sterilization method, surgical sterilization, medical sterilization, type of disinfectant, floor covering, type of sterilization of surgical equipment, dressing principle and stage removal.	Introducing students to the basics of sterilization and dressing	4	12
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Vital signs, definition of temperature, temperature check, type of temperature check, armpit, causes, signs, and symptoms, nursing care for it, identifying factors affecting the pulse, place to take the pulse, nursing point in checking the pulse, breathing, definition of breathing, Definition of blood pressure. Definition of diastolic and systolic pressure and the factors affecting it	Introducing students to the basics of vital signs: temperature, respiration, and pulse	4	14-13
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Drug administration, drug definition, drug type, and injection - subcutaneous(SC) , intramuscular(IM) , intradermal(ID) , intravenous(IV).	Introducing students to the basics of giving injections and medication	4	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

	Prescribed books ( required)Methodology that found
Nadecra H. Fundemental of Nursing (practices) Foundation of Technical educations. MousL, 2000  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  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/Level</b>	
First semester /level one	
<b>4. Date Preparation This the description:</b>	
4/2/2025	
<b>5. Forms Attendance Available :</b>	
presence	
<b>6 . Numbers Hours Academic( total) / Number Units ( total ) :</b>	
30 Practical hours + 30 theoretical hours / number of units 4	
<b>8. Course Objectives :</b>	
<p>Learn general information about internal and surgical diseases</p> <p>Identifying the patient's basic needs and providing comfort and full . care to patients in meeting their needs</p> <p>The ability to provide nursing care to patients with diseases of the digestive, respiratory, urinary systems, heart, nose, ear, throat, and others</p> <p>Qualifying the student to provide nursing care in the recovery unit</p> <p>Ability to provide nursing care to patients before and after surgical .operations</p>	<p><b>Objectives of the subject Academic</b></p>
<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 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</li> <li>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
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Definition of health - the patient's basic needs - causes of patient discomfort - = nursing processes - their definition - stages - information gathering stage - planning stage - implementation stage - evaluation stage.	Introducing students to the nursing and health stages	4	1
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Internal and surgical nursing care for diseases of the digestive system - appendicitis its definition - signs and - symptoms - nursing care before and after the operation - complications - hernia, its definition and types - signs and symptoms - nursing care .before and after the operation	Introducing students to patient health care, especially gastrointestinal diseases	4	3-2

,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentati on laboratory	Nursing care for liver and gallbladder diseases - acute and chronic inflammation of the gallbladder - signs and symptoms nursing care - gallstones - their - definition - symptoms and signs - nursing care before and after surgery - hepatitis of all types - nursing care.	Introducing students to patient health care, especially liver and gallbladder diseases	4	4
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentatio n laboratory	Internal and surgical nursing care for endocrine diseases - thyroid gland - signs and symptoms - nursing care - diabetes - its symptoms and signs - types - nutritional and drug treatment - complications	Introducing students to patient health care, especially endocrine diseases	4	5
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Internal and surgical nursing care for joint and bone diseases - types of fractures - signs and symptoms - first aid nursing care - amputation - - reasons for amputation - complications - nursing care .before and after the operation	Introducing students to patient health care, especially joint diseases and fracture	4	7-6
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Internal and surgical nursing care for diseases of the urinary system - Introduction to the urinary system - Tests performed on the patient - Signs and symptoms of the urinary system - Renal colic - Signs and symptoms - Nursing care - Acute and chronic nephritis - Signs and symptoms - Nursing care	Introducing students to patient health care, especially urinary system diseases	4	8
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentatio n laboratory	Symptoms of acute kidney failure, which includes: definition - evaluation (health history - assessment of the individual's health condition) - diagnostic examinations - nursing care - symptoms of chronic kidney failure, which includes: definition - evaluation (health history -	Introducing students to patient health care, especially kidney- associated diseases	4	9

		assessment of the individual's health condition) - diagnostic examinations - nursing care			
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Kidney dialysis (dialysis): Introduction to dialysis: its definition - types - diseases that lead to dialysis. (A) Perforation: Introduction to perforation - Definition - Objectives - Nursing care for the patient undergoing perforation (before - during and after perforation). - Complications that occur during perforation and how to treat them	Introducing students to patient health care, especially dialysis	4	10
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	B) Hemodialysis: Introduction to hemodialysis - definition - objectives - nursing care. When is an arteriovenous shunt (canula): its definition - types - benefits - where it is used - - methods of performing it - monitoring it - complications - nursing care for the condition of the shunt site. Nursing care during the transperfusion process and while operating the device - Nursing care in disengaging the transperfusion device from the patient - Complications that occur	Introducing students to patient health care, especially hemodialysis diseases	4	11

		during the transperfusion process - Recommendations given to the patient after the perforation process.			
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory And a chapter	Accidental and sudden events :during the perforation process Aerobic health-1 Angina pectoris -2 3- Cardiac arrhythmia Electrical malfunction in the -4 device. 5- High blood pressure Low blood pressure -6 Membrane bursting -7	Introducing students to patient health care, especially hemodialysis diseases	4	12
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Kidney transplantation - Introduction to the kidney transplantation process - Definition - Objectives - Nursing care - Before the kidney transplantation - Nursing care for the kidney donor before the kidney transplantation - Nursing care for the patient after the kidney transplantation - Complications that occur after the kidney transplantation operation and how to treat them - Nursing care	Introducing students to patient health care, especially during a kidney transplant	4	13
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Internal and surgical nursing care for diseases of the blood and lymph nodes - anemia and its types - signs and symptoms - nursing care - leukemia and acute and chronic blood sucking - signs and symptoms - nursing care	Introducing students to patient health care, especially blood diseases	4	14

Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Internal and surgical nursing care for cardiovascular diseases - intensive care for heart and respiratory diseases its concept - nursing care in - .intensive care units	Introducing students to patient health care, especially heart disease	4	15
<b>11. Course Evaluation</b>					
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					
<ul style="list-style-type: none"> <li>- Semester exam 40 marks</li> <li>- Final exam 60 marks</li> </ul>					

<b>12. Sources Learning and teaching</b>	
Springhouse Corporation: Nursing Procedures” Publication Data 1992	Prescribed books( required)Methodology that found
Nazira Hussein, Nahida Muhammad - Theoretical Internal Surgical Nursing - Technical Education Authority / Baghdad 1999.	Main references( Sources)
Nazira Hussein, Nahida Muhammad - Internal Surgical Practical Nursing - Technical Education Authority / Baghdad 2000.	Books And references The support Which(Recommended ( scientific journalsreports ,
	References electronic, Locations Internet

<b>1.Course name :</b>	
Physiology	
<b>2. Course Code :</b>	
TIDO 106	
<b>3.semester/Level</b>	
First semester /level one	
<b>4. Date Preparation This the description:</b>	
4/2/2025	
<b>5. F orms Attendance Available:</b>	
presence	
<b>6. Numbers Hours Academic ( total ) / Number Units ( total ) :</b>	
30 Practical hours + 30 theoretical hours / number of units 4	
<b>8. Course Objectivies :</b>	
Identify the different body systems Knowledge of the various body functions and physiological processes that take place within the human body The student knows the usefulness of physiological processes in human nursing The student gains experience and skill in experiments conducted to examine organ functions The ability to use medical devices to measure organ functions	<b>Objectives of the subject Academic</b>
<b>9. Strategies Education and learning :</b>	

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

## 10. Course Structure :

Method Evaluation	Learning method	Name Unit or Topic	Outputs The required learning	Hours	weeks s
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Blood - its components - blood smear - blood volume - red blood cells - number of red blood cells - their shape - .method of counting them	Introducing students to blood and its components	4	1
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	White blood cells - their number - types - normal proportions of each type - .work of white blood cells	Introducing students to white blood cells and their normal levels	4	2

,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Blood clotting - blood acidity - blood discs and their function.	Introducing students to the blood clotting process	4	3
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Anemia – types of anemia	Introducing students to the types of anemia	4	4
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Jaundice - its types - causes of jaundice - breakdown of red blood cells	Introducing students to jaundice and its types	4	5
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	The cardiovascular system - an overview of the anatomy of the circulatory system - anatomy of the heart - heart .valves	Introducing students to the anatomy of the circulatory system	4	6
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Location of the heart relative to the surface of the living body - the heart as a pump - .cardiac excretion	Familiarize students with the location and function of the heart	4	7

,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	ECG - heart sounds - areas of the heart valves - normal .sounds	introducing students to the ECG process	4	8
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Arterial blood pressure - silent blood flow - atmospheric pressure - measuring blood .pressure	introducing students to the process of measuring pressure	4	9
,Reports Assignments, theoretical exams Oral , written and quarterly	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Factors affecting blood pressure - high - low - central control of blood vessels - measuring high - low blood pressure.	introducing students to the factors affecting blood pressure	4	10
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Respiratory system - respiratory muscles - diaphragm - function of the diaphragm in relation to the .lungs	introducing students to the function of the respiratory system	4	11
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Respiratory volumes - reserve volume for exhalation reserve volume for - inhalation - vital capacity - factors affecting vital .capacity	introducing students to the process of inhalation and exhalation and the factors affecting it	4	12

,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Diseases affecting the effectiveness of respiratory volumes – nasal function	Introducing students to the function of the nose and the diseases affecting it	4	13
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Pulmonary alveoli function .blood acidity -	Introducing students to the function of vesicles	4	14
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Digestive system - mouth - .pharynx Esophagus - stomach Duodenum - small intestine - .large intestine - rectum	Introducing students to the function of the digestive system	4	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-  
1983

Prescribed books( required)Methodology  
that found

<p>Gyton – Textbook – oxford publication London.</p> <p>Gh Green basic clinical physiology oxford publication- 1976</p>	<p>Main references( Sources)</p>
<p>Barrett KE, Barman SM, Boitano S, Brooks HL. Gaming's Review of Medicine 23rd ed. McGraw Hill, Physiology Boston, 2010.</p> <p>Drake RL, Vogl W, Mitchell AWM. Gray's Anatomy for Students. Elsevier, Philadelphia, 2005.</p>	<p>Books And references The support Which(Recommended ( scientific ,journalsreports ,</p>
	<p>References electronic, Locations Internet</p>

<b>1.Course name :</b>	
Anatomy	
<b>2. Course code</b>	
TIDO 107	
<b>3.semester/Level</b>	
Second semester /level one	
<b>4. Date Preparation This the description:</b>	
4/2/2025	
<b>5. Forms Attendance Available :</b>	
presence	
<b>6. Numbers Hours Academic( total) / Number Units ( total :</b>	
30 Practical hours + 30 theoretical hours / number of units 4	
<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>	



			Anatomy of the heart in the human body		
,Reports Assignment s, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Superficial anatomy of the lungs: Description of the position of the lungs according to the chest wall and the number of ribs.	Introducing students Anatomy of the lungs of the human body	4	3
,Reports Assignment s, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Anatomy of the abdominal surface: We draw the abdominal surface areas according to horizontal and vertical lines.	Introducing students Anatomy of the abdominal surface of the human body	4	4
,Reports Assignment s, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Anatomy of the stomach: We explain the relationship of the stomach to other organs in the abdomen.	Introducing students Anatomy of the stomach to the human body	4	5
,Reports Assignment s, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Anatomy of the liver and spleen: We show them the areas of the liver and spleen according to the anatomy of the superficial aspect of the abdomen.	Introducing students Anatomy of the liver and spleen of the human body	4	6

Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Anatomy of the intestine: We show the relationship of the intestine to other organs, including the abdomen.	Introducing students Anatomy of the intestines of the human body	4	7
Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Anatomy of the appendix: We determine the area of the appendix in the right iliac region.	Introducing students Anatomy of the human appendix	4	8
Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Anatomy of the gallbladder: The gallbladder area is identified in the right subcostal region	Introducing students Anatomy of the gallbladder in the human body	4	9
Reports Assignments theoretical , exams Oral and written And a chapter	Blackboard slides Education PowerPoint Electronic experimentation laboratory	We determine the uterine area in the suprapubic area.	Introducing students Anatomy of the uterus to the human body	4	10
Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Anatomy of the skeleton: Central half of the skeleton: skull – spine and peripheral.	Introducing students Anatomy of the human skeleton	4	11
Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Shoulder bones: We show the shoulder bones on the skeleton, which are the shoulder blade and the clavicle	Introducing students Anatomy of the shoulder bones of the human body	4	12

Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Arm Bones: We show the bones of the arm (humerus)	Introducing students Anatomy of the arm bones of the human body	4	13
Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Forearm bones: We show the forearm bones: (ulna (and radius.	Introducing students Anatomy of the forearm bones of the human body	4	14
Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Hand Bones: We show the bones of the hand: (carpal bones, metacarpals, and (phalanges.	Introducing students Anatomy of the hand bones of the human body	4	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 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 1983	Prescribed books( required)Methodology that found)
Atlas of anatomy (Grantes) / 1998. 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

<b>1.Course name :</b>	
Clinical Chemistry	
<b>2. Course code</b>	
IMA 113	
<b>3.semester/Level</b>	
Second semester /level one	
<b>4. Date Preparation This the description:</b>	
4/2/2025	
<b>5. Forms Attendance Available :</b>	
presence	
<b>6. Numbers Hours Academic ( total ) / Number Units ( total ) :</b>	
30 Practical hours + 30 theoretical hours / number of units 4	
<b>8. Course Objectives</b>	
Learn about clinical chemistry, its principles, and its importance in the field of medicine View clinical chemistry laboratories and the type of .equipment used in them . chemical analysis Preparing students to determine the normal levels of chemical compounds in the blood Enable the student to identify the variables that can occur to chemical compounds in abnormal situations The ability to diagnose various diseases based on changes that occur in the levels of these compounds in the blood and other body fluids Ability to use equipment used in clinical chemistry laboratories	<b>Objectives of the subject Academic</b>
<b>9. Strategies Education and learning :</b>	

<ul style="list-style-type: none"> <li>-Strategy Storm</li> <li>mental-Strategy</li> <li>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</li> <li>Practical-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</li> <li>divergent-Strategy</li> <li>Switch Between Ideas-</li> <li>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
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Elements that make up the human body - water - functions of water - water balance in the human body Standardization and international standard ) unitsSI units are the ( units of measurement used in clinical chemistry	Introducing students to the elements that make up the body	4	1
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Introduction to analytical chemistry - methods of expressing solution concentrations - molar concentration - standard concentration - percentage concentration - methods of diluting and preparing laboratory solutions	Introducing students to the molar concentrations of solutions	4	2
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Hydrogen concentration (pH) - The importance of pH in the human body - pH concentration of blood - Buffer solutions- their properties and methods of preparation	Introducing students to buffer solutions and hydrogen concentrations	4	3

,Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Analysis methods used in clinical chemistry laboratories - qualitative analysis - quantitative analysis - types of quantitative analysis	Introducing students to methods of qualitative and quantitative analysis in clinical chemistry	4	4
,Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Chromatography - Types of chromatic analysis - Beer's law - Beer-Lambert's law - Standardsolution	Introducing students to chromatography methods and standard solutions in clinical chemistry	4	5
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Definition of biochemistry - Definition of clinical chemistry - Body fluids and their importance in conducting clinical chemistry examinations - Secretion - Collection of secretions and methods of preserving them - Formation of secretions in the human body - The normal rate of secretion of secretions - Definition of abundance of secretions - Definition of scarcity of secretions - Definition of lack of secretions	Introducing students to methods of analyzing urine and body fluids in clinical chemistry	4	6
,Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Natural and abnormal components of urine - analysis of general urine - clinical importance - urinary system stones and their types - and the causes of their formation	Introducing students to methods of blood and urine analysis in clinical chemistry	4	7
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Blood - blood collection - blood plasma - blood serum the difference between - plasma and blood serum and how to obtain each of them - anticoagulants - the most important types of anticoagulants used in clinical chemistry - sedimentation of blood	Introducing students to methods of analyzing blood, blood proteins, and anticoagulants in clinical chemistry	4	8

		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 Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically 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	4	9
,Reports Assignments theoretical , exams Oral , written and quarterly	Blackboard slides Education PowerPoint Conducting experiments electronically 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	4	10
,Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically 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	4	11
,Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Diabetes - alternative energy - sources of its formation - ketone bodies blood acidification -	Introducing students to diabetes and ketone bodies in the human body	4	12
,Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Glucose tolerance test - preparing the patient for the test - the most important glucose tolerance charts - normal chart - diabetes chart - poor storage process chart flat chart - diabetes urine -	Introducing students to the diagram of glucose and urine in the human body	4	13

		chart			
,Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentati on laboratory	Fats - their classification - fat metabolism - fats in blood plasma - fatty acids	Introducing students to the types of fats and their importance in the human body	4	14
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentati on laboratory	Cholesterol - chemical formula - presence of cholesterol - cholesterol metabolism - biosynthesis of cholesterol - function of cholesterol in the human body - clinical importance of cholesterol	Introducing students to the types of cholesterol and their importance in the human body	4	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	
Herbert Fromm and Mark Hargrove, Essentials of Biochemistry, 2012	Prescribed books( required)Methodology that found
1) Chemistry Clinical / Muhammad Fathi Al-Hawari / Authority education Technical 2) Bound Chemistry Clinical / Muhammad symbolic Al-Omari / Authority education Technical 3) Chemistry Clinical Practical / Muhammad symbolic Al-Omari / Authority education Technical 4) Chemistry General / correct slave God - Hana Salman - Maysoon Suleiman / Authority education Technical 5) the control Quality For students Vsm Pharmacy / Mr Mohammed Abu Zaid / Authority education Technical 6) Devices Laboratory And the pharmacist / master Mohammed Abu Zaid / Authority education Technical 70 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 .  Jaroslav Racek and Daniel Radja, Clinical Biochemistry, first ed, 2016	books And references The support Which ,Recommended ( scientific journals reports ,(
	References electronic, Locations Internet

1.Course name :
Microbiology
2. Course code
IMA 114
3.semester/Level
First semester /level one
4. Date Preparation This the description:
4/2/2025

<b>5. forms Attendance Available :</b>	
Presence	
<b>6. Numbers Hours Academic ( total ) / Number Units ( total ) :</b>	
30 Practical hours + 30 theoretical hours / number of units 4	
<b>7. Course Objectives</b>	
Identify different microorganisms ( germs, Parasites, viruses . and fungi) and diseases resulting from these microorganisms Learn about the different techniques for isolating bacteria from clinical samples, as well as preparing culture media and .sterilization methods Learn about sterilization and disinfection methods to get rid of microorganisms .Learn about methods of treatment and prevention of diseases The ability to diagnose bacteria, parasites and other disease-causing microorganisms Preparing students to conduct antibiotic sensitivity tests	<b>Objectives of the subject Academic</b>
<b>9. Strategies Education and learning :</b>	

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

## 10. Course Structure :

<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Electronic experimentation on laboratory</p>	<p>Classification of microorganisms: fungi, algae, protozoa, bacteria, mycoplasma, viruses, rickettsia.</p>	<p>Students learn about the classification of microscopic organisms</p>	<p>4</p>	<p>1</p>
<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Electronic experimentation on laboratory</p>	<p>General structure of bacteria: bacterial structure, cell wall, cytoplasmic membrane capsule, protoplasm including cytoplasm and nucleus. Comparison between prokaryotic cell and eukaryotic cell.</p>	<p>Students learn about the general structure of bacteria</p>	<p>4</p>	<p>2</p>

,Reports Assignments, oral and written theory exams	Blackboard PowerPoint slides E- learning Conduct experiments laboratory	Bacterial spores: Types of spores that are resistant to environmental conditions	Students learn about the types of germs that are resistant to environmental conditions	4	3
,Reports Assignments, oral and written theory exams	Blackboard PowerPoint slides E- learning Conduct experiments laboratory	Environmental conditions affect the growth of bacteria: oxygen temperature, ,humidityPH light, , osmotic pressure, and culture medium. Stages of bacterial growth: lag phase, log phase, stationary phase, and	Students learn about the environmental conditions that affect bacterial growth	4	4
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Inhibiting bacterial growth: sterilization and disinfection.	Students learn about physical and chemical disinfection and sterilization agents	4	5
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Sterilization by radiation, filtration, and chemical sterilization.	Students learn about disinfection, radiation sterilization, and other factors	4	6
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Medical bacteria: Staphylococcus aureus, general characteristics, toxins, treatment of pathogenesis.	Students learn about bacteria Staphylococcus	4	7

,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	s.viridans bacterias.faecalis , s.pyogenes general , structure, culture media, pathogenicity methods . Streptococcus pneumoniae bacteria : general structure, diseases, treatment.	Students learn about bacteria Streptococci	4	8
,Reports Assignments, theoretical exams Oral And editorially	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	group of bacteria : general structure, meningococci, general structure, disease. Mycobacteria: - Types of Mycobacterium tuberculosis, general structure, culture, resistance, culture media , pathogen, definition, treatment. Mycobacterium leprae: general characteristics, pathogenesis, diagnosis, treatment.	Students learn about Neisseria bacteria	4	9
,Reports Assignments, theoretical exams Oral , written and quarterly	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	bacteria (anaerobic): general characteristics, Clostridium tetani: description, disease factors that promote growth in wounds, prevention and treatment.	Students learn about anaerobic clostridium bacteria	4	10
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Clostridium gas gangrene: description, disease, treatment, food poisoning, toxins secreted in foods, symptoms, treatment. Bacillus anthracis, description, disease, treatment	Students learn about the anaerobic bacterium Clostridium	4	11
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Types of intestinal bacteria, medical importance, general characteristics, identification of culture media . Enteropathogenic bacteria, Salmonella group, Salmonella typhi, Salmonella paratyphi,	Students learn about the types of intestinal bacteria	4	12

		Salmonella typhimurium. Symptoms of poisoning and treatment			
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Shigella, disease, treatment, food poisoning, symptoms, proteus bacteria , description, culture media	Students learn about shigella bacteria	4	13
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Brucella, general diagnosis , disease, prognosis, treatment. Bordetella description, morphology , culture media , disease and treatment.	Students learn about Brucella bacteria	4	14
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	bacteria , general characteristics, disease, general characteristics , treatment	Students learn about cholera bacteria	4	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 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 - 1983	Prescribed books( required)Methodology that 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 Guptr, 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 ( Recommended ( scientific journals reports
	References electronic, Locations Internet

<b>1.Course name :</b>	
Principles of first aid	
<b>2. Course code</b>	
IMA 110	
<b>3.semester/Level</b>	
First semester /level one	
<b>4. Date Preparation This the description:</b>	
4/2/2025	
<b>5. forms Attendance Available:</b>	
presence	
<b>6. numbers Hours Academic( total) / Number Units ( total ) :</b>	
Practical hours + 30 theoretical hours / number of units 4 30	
<b>8. Course Objectives</b>	
Providing the student with general information about first aid, Its components, tools and system Knowledge of the mechanics of injuries, external trauma , bleeding and its types, epilepsy and its types and its causes Enabling the student to know the symptoms and signs of cardiac arrest, the clinical examination of sudden death, and .the symptoms of cardiogenic shock and chronic heart failure	<b>Objectives of the subject Academic</b>
<b>9. Strategies Education and learning :</b>	

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

## 10. Course Structure :

Method Evaluation	Learning method	Name Unit or Topic	Outputs The required learning	Hours	weeks
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Introduction to first aid and the emergency medicine system(EMS).	Students learn about the principles of first aid	4	1
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	System components Emergency medicine Management, policy, organization and equipment	Students learn about the components of a system Emergency medicine	4	2
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation	First aid kit and tools; Shape, appearance, airway contents, breathing etc., improvised uses, workplace first aid kits, and historical first aid kits.	Students learn about first aid kits and tools	4	3

	laboratory				
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Ambulances, transportation, working with hospital staff, working with public safety agencies .	Students learn about transportation and ambulances	4	4
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	The emotional aspect of emergency care, death and dying, the grieving process, coping with the patient and family members, primary care of the dying patient, and critically ill patients.	Students learn about the emotional side of emergency care	4	5
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Physical signs of death, hypothetical signs of death, final signs of death, medical examination cases .	Students recognize the physical signs of death	4	6
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Anxiety, pain, fear, hostility, depression, and receiving bad news	Students learn about the emotional side of emergency care	4	7

,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Infectious diseases (modes of transmission), risk reduction and prevention system And personal protection.	Students learn about the methods of transmission of infectious diseases	4	8
,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Shocks , kinetic theory of shocks	Students learn about types of trauma	4	9
,Reports Assignments, theoretical exams Oral , written and quarterly	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Bleeding, its types, causes and treatment.	Students learn about bleeding, its types and causes	4	10
,Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Blood clots, their types, causes and management.	Students learn about the types and causes of blood clots	4	11
,Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation laboratory	Injuries, soft tissue injuries, eye injuries, facial and throat injuries.	Students learn about types of injuries and soft tissue injuries	4	12

Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentat ion laboratory	Chest injuries, abdominal injuries, stones, head and spine injuries.	Students learn about the types of chest injuries and abdominal injuries	4	13
Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Heart structure, circulatory function, and arteriosclerosis.	Students learn about the structure of the heart and circulatory function	4	14
Reports Assignments theoretical , exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentat ion laboratory	Heart attack, signs and symptoms of a heart attack, physical consequences of sudden death, cardiogenic shock.	Students learn about the signs and symptoms of a heart attack	4	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

- 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 The Complete First Aid Pocket Guide - John Furst - 2018	Books And references The support Which ,Recommended ( scientific journalsreports ,
	References electronic, Locations Internet

<b>1.Course name :</b>	
Computer	
<b>2. Course code</b>	
NTU102	
<b>3.semester/Level</b>	
First semester /level one	
<b>4. Date Preparation This the description:</b>	
4/2/2025	
<b>5. forms Attendance Available:</b>	
presence	
<b>6. numbers Hours Academic ( total) / Number Units ( total ) :</b>	
15 Practical hours + 15 theoretical hours / number of units 2	
<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>	

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

## Strategies Education

## 10. Course Structure :

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

<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically laboratory</p>	<p>Windows operating system : The concept of the Windows system its advantages - its - operating basic requirements - components of the system - the main desktop screen- the concept of the icon the - method of dealing with mouse activities - 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>	<p>2</p>	<p>4</p>
<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically 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>	<p>2</p>	<p>5</p>
<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically 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>	<p>2</p>	<p>7</p>
<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically 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>	<p>2</p>	<p>7</p>
<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically laboratory</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>	<p>2</p>	<p>8</p>

<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically laboratory</p>	<p>Use entertainment programs such as Window media player .to play movies</p>	<p>Students recognize the icons of entertainment programs</p>	<p>2</p>	<p>9</p>
<p>Reports Assignments, theoretical exams Oral and written And a chapter</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically laboratory</p>	<p>Take advantage of additional programssuch as the . Calculator</p>	<p>Students are introduced to additional software such as a calculator</p>	<p>2</p>	<p>10</p>
<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically laboratory</p>	<p>Working with the Paint programto create, save, and retrieve drawings through the .commands it provides</p>	<p>Students learn how Dealing with the drawing program</p>	<p>2</p>	<p>11</p>
<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically laboratory</p>	<p>the NotePad andWordPad notes window in writing, saving, retrieving, printing, and changing the printing .style and formatting of texts</p>	<p>Students learn how Working with the Notes window</p>	<p>2</p>	<p>12</p>
<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically laboratory</p>	<p>Learn how to get helpand its .different methods</p>	<p>Students learn how Dealing with the assistance program</p>	<p>2</p>	<p>13</p>
<p>Reports Assignments, theoretical exams Oral and written</p>	<p>Blackboard slides Education PowerPoint Conducting experiments electronically laboratory</p>	<p>The concept of computer viruses: how to become infected - their types, treatment, and dealing with them throughanti-virus programs available within the Windows operating . system environment</p>	<p>Students learn how Dealing with viruses</p>	<p>2</p>	<p>14</p>

,Reports Assignments, theoretical exams Oral and written	Blackboard slides Education PowerPoint Conducting experiments electronically laboratory	Dealing with the trash and how to delete and retrieve files through what the trash provides .in this aspect	Students learn how Dealing with trash	2	15
<b>11. Course Evaluation</b>					
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					
<ul style="list-style-type: none"> <li>- Semester exam 40 marks</li> <li>- Final exam 60 marks</li> </ul>					

## 12. Sources Learning and teaching

Prescribed books( required) Methodology that found	Structure and Interpretation of Computer Programs- Harold Abelson, Gerald Jay Sussman, Julie Sussman – 1985.  Introduction to the Theory of Computation - Michael Sipser - 1996
Main references( Sources)	Computer Organization and Design: The Hardware/Software Interface - David A. Patterson, John L. Hennessy - 1994
Books And references The support Which Recommended ( scientific journals , reports)	Operating System Concepts - Abraham Silberschatz, Peter B. Galvin, 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/Level</b>	
First semester /level one	
<b>4. Date Preparation This Description:</b>	
4/2/2025	
<b>5. Forms Attendance Available :</b>	
presence	
<b>6. Number Hours Academic( total) / Number Units ( total ) :</b>	
15 theoretical hours / number of units 2	
<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>	

Strategy Storm Mental -Strategy Work The group -Discussion strategy -Case study strategy -Inductive teaching strategy - Concept maps strategy Strategy Training Field Practical - - -Learning strategy Self -Strategy Education Electronic	<b>Strategies Education</b>
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-Strategy Study - Conclusion strategy -Strategy Practice divergent-Switch strategy Between Ideas - Strategy Submission	Strategies Learning
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### 10. Course Structure :

Method Evaluation	Learning method	Name Unit or Topic	Learning outcomes required	Hours	weeks
,Reports Assignments, theoretical exams Oral and written semi - terms And a chapter	Blackboard slides Education PowerPoint Electronic	Roots of basic words	Students learn information About Roots of words	2	1
,Reports Assignments, theoretical exams Oral and written semi - terms And a chapter	Blackboard slides powerpoint e-learning	Word roots, suffixes and prefixes	Students learn the details Additional About word roots, suffixes and prefixes related to science Pharmaceuticals) taught Natural medicines , Pharmacy clinical, Teach .Pharmacy, etc)	2	2
,Reports Assignments, theoretical exams Oral and written semi - terms And a chapter	Blackboard slides powerpoint e-learning	Basic anatomical terms and abnormal conditions	Students get to know Describe the important medical term for the abnormal condition.	2	3

,Reports Assignments, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides powerpoint e-learning	Genital organs and urinary tract	Students recognize the description The term Important medical For both devices Kidney And reproductive.	2	4
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,Reports Assignments, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Digestive	Students recognize the description The term Medical The important thing for the device Digestive.	2	5
,Reports Assignments, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Heart and cardiovascular system	Students recognize the description The term Important medical device used in The device My heart Vascular.	2	6
,Reports Assignments, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Symptoms, diagnosis, treatments, contact qualifications and .statistics	Students recognize the description The term Important medical field And treatment.	2	7
,Reports Assignments, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Growth and development	Students get to know Description The term Medical The important thing To grow And development .	2	8
,Reports Assignments, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Women disease	Students recognize the description The term Important medical aspect of gynecology And pregnancy And childbirth.	2	9
,Reports Assignments, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	the eyes	Students recognize the description The term Medically important for eye conditions And dissect it.	2	10

,Reports Assignment s, theoretical exams Oral and written semi -terms And a chapter	Blackboard PowerPoint slides Education Electronic	Nervous system	Students recognize the description The term Important medical In The device Nervous And disturbances Behavior.	2	11
,Reports Assignment s, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Blood and immunity	Students become familiar with the term Medical The important thing In Blood And immunity.	2	12
,Reports Assignment s, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Bones and joints	Students become familiar with the term Medical The important thing For bones And the joints.	2	13
,Reports Assignment s, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Blood and immunity	Students become familiar with the term Medical The important thing In Blood And immunity.	2	14
,Reports Assignment s, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Respiratory system	Students become familiar with the term Medical for the respiratory system	2	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 a ndeditorial andreports Etc

- Semester exam 30 marks
- Final exam 70 marks

## 12. Sources Learning and teaching

Edward C.C., (Ed.); A Short course in Medical Terminology; Latest edition; Lipincott Williams and Wilkins .	Books The decision( required)Methodology that found(
The Language of Medicine -11th Edition by Davi-Ellen. 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 Recommended With it (journals scientific, Reports)
	References electronic, Locations Internet

### 1.Course name :

Humam rights and Democracy

### 2. Course code

NTU 100

### 3.semester/Level

First semester /level one

### 4. Date Preparation This Description:

4/2/2025

### 5. forms Attendance Available:

presence

### 6. numbers Hours Academic ( total) / Number Units ( total ) :

30 Theoretical hour /number of units 2

### 8. Course Objectives :

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

### Objectives of the subject Academic

### 9. Strategies Education and learning :

-Strategy Storm mental -  
Strategy Work group-  
Discussion strategy  
- Strategy Study case -Inductive  
teaching strategy-Concept maps  
strategy-Strategy Training Field  
Practical-Self-learning strategy  
-Strategy Education Electronic  
  
-Strategy Study  
- Strategy Conclusion -  
Strategy Practice divergent-  
Strategy Switch Between Ideas  
-Strategy for presenting  
examples

### Strategies Education

### Strategies Learning

### 10. Course Structure :

Method Evaluation	Learning method	Name Unit or Topic	Learning outcomes required	Hours	week
,Reports Assignments, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Understood The state The government/ legislative body/ To start semesterBetween Authorities	Students learn about the concept of the state .and government	2	1

<p>Reports Theoretical exams Oral and written semi-terms And a chapter-</p>	<p>Blackboard and PowerPoint slides Education Electronic</p>	<p>The executive body/ the judicial body/Council Representatives in Their discussions The decisions they take, with provisions</p>	<p>Students get to know Understood Executive body/ Judicial body</p>	2	2
<p>Theory exams Oral and written semi - terms And a chapter</p>	<p>Blackboard slides Education PowerPoint Electronic</p>	<p>Repeat An idea Freedom/ First:Basic freedom or Individual/ . Freedom 1 Security and a sense of reassurance/ . Freedom 2 Go And back) Transportation(/ . 3 Freedom, inviolability of home and private life/ . 4 Freedom Secret Correspondence Personality</p>	<p>Students learn about the concept of the idea of freedom</p>	2	3
<p>Theory exams Oral and written semi - terms And a chapter</p>	<p>Blackboard slides Education PowerPoint Electronic</p>	<p>Freedom Intellectual and cultural/ - Freedom Education 1/ - 2 Freedom To gather/ - Freedom 3 Worship And the doctrine/ - Freedom 4 Opinion And expression / freedom Political</p>	<p>Students learn about the concept of freedom Intellectual and cultural</p>	2	4
<p>Theory exams Oral and written semi - terms And a chapter</p>	<p>Blackboard slides Education PowerPoint Electronic</p>	<p>Filtering in Elections - right Voting2 1- Right 3Elections Periodicity- 4 rights Criticism The government</p>	<p>Students learn about the concept Filtering in Elections</p>	2	5

Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	- Freedom Formation 2 Associations And joining To her- 3 Freedom Formation Unions And joining To her:	Students learn about the concept Freedom Formation Associations And unions	2	6
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Exam MD	Students take the exam	2	7
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Freedom Economic And social - Freedom Practical2 1- Freedom Ownership- 3 Freedom Trade And industry	Students learn about the concept Freedom Economic And social	2	8
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	- Freedom Guarantee 4 Social and care health/ Democracy	Students learn about the concept Freedom Guarantee Social and social security	2	9
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Democracy in Iraq	Students learn about the concept Democracy in Iraq	2	10
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Election The association Nationalism Iraqi transitional	Students learn about the concept Election The association Nationalism	2	11
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Goals Democracy	Students learn about the concept of the goals of democracy	2	12
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Shapes Democracy/ non- democracy directly/Democracy Shaba Directly	Students learn about the concept Shapes Democracy	2	13
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	People's participation In Work Legislative/The proposal Popular/ Referendum Popular	Students learn about the concept People's participation In Legislative work	2	14
Theory exams Oral	Blackboard slides Education	Types referendum/ Damage Referendum	Students learn about the concept Types	2	15

and written semi -terms And a chapter	PowerPoint Electronic	year/The solution Popular	Referendum		
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## 11. Course Evaluation

Distribution Degree From 100 On According to Tasks The taxpayer With it The student For example Preparation  
Daily And exams Daily And oral Andmonthly and editorial andreports Etc

Semester exam 30 marks

Final exam: 70 marks

## 12. Sources Learning and teaching

Freedoms Public And democracy/Lectures University Al- Mustansiriya / University of Babylon	Books The decision( required) Methodology that found(
Democracy and Human Rights - Ahmed Al-Sayed Atta - 2015  Human Rights and Democracy in the Arab World - Hatem Al-Meligy 2010 -	Main references( Sources)
Human Rights in Islam and International Humanitarian Law - Muhammad Al-Shaiba - 2007	Books And references The support Which Recommended With it (journals scientific, Reports)
	References electronic, Locations Internet

<b>1.Course name :</b>	
Language Arabic	
<b>2. Course code</b>	
NTU 103	
<b>3.semester/Level</b>	
First semester /level one	
<b>4. Date Preparation This Description:</b>	
4/2/2025	
<b>5. Forms Attendance Available :</b>	
presence	
<b>6. Numbers Hours Academic ( total ) / Number Units ( total ) :</b>	
30 theoretical hours / number of units 2	
<b>8. Course Objectives</b>	
1- The goal Basic for languageArabic that He can Students Who Their language which they speak. Students Immediate ambulance By the rules Linguistics And repeat Remember it And employ them 2- Definition in The Conversation and writing. 3- Recognition On Culture Arabic and its heritage The huge one. 4- Study some text and the pieces Literary Famein Literature Arabic. 5- Study Rules Writing And dictation Sound .	<b>Objectives of the subject Academic</b>
<b>9. Strategies Education and learning :</b>	
Strategy Storm Mental. Strategy Discussion . Self-learning strategy strategy Education	- - - - <b>Strategies Education</b>

Electronic	
Memory strategy - Strategy Deduction Ideas. - Strategy Provide examples. -	<b>Strategies Learning</b>

## 10. Course Structure :

Method Evaluation	Learning method	Name Unit or Topic	Learning outcomes required	Hours	weekss
,Reports Assignments, theoretical exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	introduction on Errors Linguistic – T Bound And the long one And the ta Open	-that He knows The student The meaning of the language in the dictionary and linguistic errors .	2	1
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	rules writing A thousand Stretched And the cabin - The letters Solar And the lunar	-Knowledge How writing The solar and lunar letters in Language Arabic.	2	2
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	The opposite And Za and	-Definition Students Using The correct rule For the opposite And Za and In Arabic.	2	3
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	writing The whisper H	-Definition Students By one Most important Methods Arabic. Writing the hamza	2	4
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Signs Numbering	Definition Students By one Most important Methods Arabic. punctuation marks	2	5

Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	The noun, the verb, and the difference between them	Definition Students By one Most important Methods Arabic. Noun and verb	2	6
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Effects	Definition Students By one Most important Methods Arabic. Effects and actions	2	7
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	the number	Definition Students By one Most important Methods Arabic. preparation	2	8
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Applications of common linguistic errors 1	Definition Students Linguistic errors in the Arabic language	2	9
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Applications of common linguistic errors 2	Definition Students Linguistic errors in the Arabic language	2	10
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	The nun And the intention Meanings letters Traction	Definition Students By one Most important Methods Arabic. Prepositions	2	11
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Aspects Formalism For speech Management Y	Definition Students By one Most important Methods Arabic. The form of the administrative letter	2	12
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	language the speech Management Y 1	Introduce the students to one The most important methods of Arabic. The language of administrative discourse	2	13
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	language the speech Management Y 2	Introduce the students to one The most important methods of Arabic. The language of administrative discourse	2	14

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	2	15
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## 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: 30 marks  
Final exam 70 marks

## 12. Sources Learning and teaching

Basic rules in the Arabic language - Muhammad Hussein Al-Masoumi - 2008	Prescribed books( required)Methodology that found(
Introduction to Arabic linguistics. Abdullah Al-Taie . 2015 Contemporary Arabic Literature- Muhammad Muhammad Hussein- 2010	Main references( Sources)
Abdul Rahman Al-Fawzan - 2016 - Arabic grammar, first level	Books And references The support Which Recommended ( scientific journals , reports) (
Nour Library To download Books Free.	References electronic, Locations Internet



Method Evaluation	Learning method	Name Unit or Topic	Learning outcomes required	Hours	weeks
Reports Assignments theoretical , exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Definition of basic English terms.	Definition Familiarize students with basic English terms	2	1
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	English language: How many three units are there in the English language?	Definition Students in the number of three units in the English language.	2	2
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	The eight parts of speech.	Definition Students Using The rule The correct health For parts of speech.	2	3
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Parts of speech2.	Introducing the students Using the correct rule for parts of speech	2	4
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	conversation	Instructing students to use the correct rules of conversation	2	5
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Sections of verbs	Students' knowledge of using verbs	2	6
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Verbs of being 1	Students' knowledge of using being and future verbs	2	7
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Verbs of Being 2		2	8

			Students' knowledge of using being and future verbs		
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Prepositions 1	Students' knowledge of using prepositions	2	9
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Prepositions 2	Students' knowledge of using prepositions	2	10
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	punctuation marks	Students' knowledge of using punctuation	2	11
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Simple past tense	Students familiarize themselves with the use of past tense verbs	2	12
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Past simple continuous tense	Students familiarize themselves with the use of past tense verbs	2	13
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Past Perfect	Students familiarize themselves with the use of past tense verbs	2	14
Theory exams Oral and written semi -terms And a	Blackboard slides Education PowerPoint Electronic	Wholesale types	Familiarize students with using different types of sentences	2	15

chapter					
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## 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 editoria and reports Etc

- . The semester exam is 40 marks -
- The final exam is 60 marks

## 12. Sources Learning and teaching

The Practice of English Language Teaching” (Jeremy Harmer).1983

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 - 1985

Main references( Sources)

Longman Dictionary of Modern English. 2014

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>	
<b>Sport</b>	
<b>2. Course code</b>	
NTU104	
<b>3.semester/Level</b>	
Second semester /level one	
<b>4. Date Preparation This Description:</b>	
4/2/2025	
<b>5. Forms Attendance Available :</b>	
presence	
<b>6. Numbers Hours Academic ( total ) / Number Units ( total ) :</b>	
15 theoretical hours / number of units 2	
15 Practicle hours	
<b>8. Course Objectives</b>	
1- Communicating information, knowledge, and mathematical skills to students at different academic levels 2- Innovation, careful observation, planning , criticism and comparison in school physical education lessons and activities 3- Creating a safe and healthy environment for learners to ensure effective learning 4- Applying various evaluation methods to follow up and develop the school sports program and ensure that its goals are achieved 5-Active and positive interaction with the community environment surrounding thework 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>	
Strategy Explanation of study materials by academic staff - Strategy Knowledge Through homework	- <b>Strategies Education</b>

assignments for academic vocabulary Strategy Discussion. Self-learning strategy Strategy Education Electronic  Memory strategy Strategy Deduction Ideas. Strategy Providing examples and visiting the library and websites.	<b>Strategies Learning</b>
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## 10. Course Structure :

Method Evaluation	Learning method	Name Unit or Topic	Learning outcomes required	Hours	weeks
,Reports Assignments theoretical , exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Sport: its definition, importance and types	Introducing the students Defining sports and its importance	2	1
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Mechanism of human body movement	Knowledge Kinds of sports	2	2
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Common sports injuries	Introducing the students The types of injuries that people are exposed to	2	3
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	basketball skills	Introducing the students Types of basketball skills	2	4
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	International law of basketball	Introducing the students By the laws of the game	2	5
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Basic skills of table tennis and its international law	Students' knowledge of the types of tennis skills	2	6

Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Basic skills of the game of volleyball and its international law	Students' knowledge of the laws of the game	2	7
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	swimming sport	Students' knowledge of swimming skills	2	8
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Basic skills of tennis and its international law	Students' knowledge of the laws of the game	2	9
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Basic skills of handball	Students' knowledge of handball skills	2	10
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	International law of handball	Students' knowledge of the laws of the game	2	11
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	2	12
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Basic soccer skills	Students' knowledge of football skills	2	13

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	2	14
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	2	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

basics : techniques, tactics and training. Michael Brindle and John Sobieski. 2017  Sports Games . Mahmoud Abu Naeem / 2022	Prescribed books( required)Methodology that found(
Principles of sports science and fitness. Brennan Scott. 2018	Main references( Sources)
Principles of statistical analysis in sports. Dr.. David Al-Mawla. 2019	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>	
<b>Safety of laboratories and workshops</b>	
<b>2. Course code</b>	
TIDO 108	
<b>3.semester/Level</b>	
First semester /level one	
<b>4. Date Preparation This Description:</b>	
4/2/2025	
<b>5. Forms Attendance Available :</b>	
presence	
<b>6. Numbers Hours Academic ( total ) / Number Units ( total ) :</b>	
30 theoretical hours / number of units 2	
<b>8. Course Objectives</b>	
1- To have the ability to deal with sources of danger in laboratories and workshops 2-To have the ability to think correctly and take appropriate action in the event of any circumstance occurring in the laboratory 3- To know the dangers of fires, how to deal with them, and the rules of fire prevention 4-To recognize the types of dangers that can be exposed to in laboratories 5-To be familiar with safety instructions in laboratories and workshops 5- 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>	
Strategy Explanation of study materials by academic staff Strategy Knowledge Through homework	<b>Strategies Education</b>

assignments for academic vocabulary Strategy Discussion. Self-learning strategy Strategy Education Electronic  Memory strategy Strategy Deduction Ideas. Strategy Providing examples and visiting the library and websites.	<b>Strategies Learning</b>
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## 10. Course Structure :

Method Evaluation	Learning method	Name Unit or Topic	Learning outcomes required	Hours	weekss
,Reports Assignments theoretical , exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Basic equipment that must be available in the laboratory (laboratory (arrangements	Introducing the students With basic laboratory equipment	2	1
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Safety precautions when dealing with laboratory tools and chemicals	Introducing the students With safety precautions	2	2
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Safety precautions when completing laboratory work and storing and preserving materials	Introducing the students With safety precautions	2	3
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Fires and their types. And means to extinguish it	Introducing the students Fires and means of extinguishing them	2	4
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Fires and their types. And means to extinguish it	Introducing the students Fires and means of extinguishing them	2	5

Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Personal protective equipment	Students' knowledge of personal protective equipment	2	6
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Chemical hazards and how to deal with them	Students' knowledge of chemical hazards and dealing with them	2	7
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Radiation hazards	Students' knowledge of radiation dangers and how to deal with them	2	8
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Biological hazards	Students' knowledge of biological hazards and how to deal with them	2	9
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Disposal of laboratory (medical) waste Use of warning signs in the laboratory	Students' knowledge of methods of disposing of medical waste and how to deal with it	2	10
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Disposal of laboratory (medical) waste Use of warning signs in the laboratory	Students' knowledge of methods of disposing of medical waste and how to deal with it	2	11
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	First aid in laboratories	Students' knowledge of first aid skills	2	12

Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	First aid in laboratories	Students' knowledge of first aid skills	2	13
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint 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	2	14
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Safety in field studies	Students' knowledge of safety methods in field studies	2	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: 30 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  Safety in the Biology Lab. Bob Farber.2010	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>	
<b>Communication skills</b>	
<b>2. Course code</b>	
IMA 115	
<b>3.semester/Level</b>	
Second semester /level one	
<b>4. Date Preparation This Description:</b>	
4/2/2025	
<b>5. Forms Attendance Available :</b>	
presence	
<b>6. Numbers Hours Academic ( total ) / Number Units ( total ) :</b>	
30 theoretical hours / number of units 2	
<b>8. Course Objectives</b>	
1-Understanding the importance of communication skills in emergency and nursing practice. 2- Develop effective communication skills with patients, colleagues and families. 3- Identify non-verbal, verbal and written communication tools. 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 Strategy Knowledge Through homework assignments for academic vocabulary Strategy Discussion. Self-learning strategy	- - <b>Strategies Education</b>

Strategy Education Electronic	
Memory strategy Strategy Deduction Ideas. Strategy Providing examples and visiting the library and websites.	- - - <b>Strategies Learning</b>

## 10. Course Structure :

Method Evaluation	Learning method	Name Unit or Topic	Learning outcomes required	Hours	weeks
,Reports Assignments theoretical , exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Communication skills tools and their types	Introducing the students Types of communication skills	2	1
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	The importance of communication skills	Introducing the students The importance of communication skills	2	2
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Stages of communication skills and important tips for developing communication skills	Introducing the students Stages and tips on communication skills	2	3
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Basic skills during the patient's medical interview	Introducing the students Communication skills during the patient interview	2	4
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Advanced skills during the patient medical interview	Introducing the students Advanced skills during patient interview	2	5

Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Problems in communication skills in the medical field	Students' knowledge of equipment and problems in communication in the medical field	2	6
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Principles and rules for communication skills in the medical field	Students' knowledge of the principles and rules of communication skills	2	7
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Methods and types of communication skills to improve the health condition of patients	Students' knowledge of communication methods to improve the health condition of patients	2	8
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Psychological first aid	Students' knowledge of psychological first aid	2	9
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Principles of psychological first aid for patients	Students' knowledge of the methods and principles of psychological first aid	2	10
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Basics and techniques of effective communication skills with patients in .emergency situations	Students' knowledge of effective communication methods and techniques in various emergency situations	2	11

Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	The use of technology in emergency situations and various emergency contexts	Students' knowledge of diverse emergency skills and contexts	2	12
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint 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	2	13
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint 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	2	14
Theory exams Oral and written semi -terms And a chapter	Blackboard slides Education PowerPoint Electronic	Staff assessment of communication skills and patient assessment	Students' knowledge of evaluation methods to give realistic and thoughtful results	2	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: 30 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  Emergency Nursing: The Profession, the Pathway, the Practice. Kathryn White. 2017	Books And references The support Which ,Recommended ( scientific journals reports ,

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

<b>1.Course name</b>	
Emergency Nursing 1	
<b>2.Course code</b>	
IMA 206	
<b>3. Semester/ Level</b>	
semester One / Level Two	
<b>4.Date of preparation of this description</b>	
4/2/2025	
<b>5.Available forms of attendance</b>	
Presence	
<b>6.Number of study hours (total) / Number of units (total)</b>	
30 hours of practical work + 30 hours of theory / Number of units: 4	
<b>8.Course objectives</b>	
<p>Learn the basics and principles of emergency managementKnowing how to provide emergency services to a choking patient with upper airway obstruction or feeding tube blockage, as well as other injuries such as paralysis and others</p> <p>Learn how to give medications, inject therapeutic fluids, and know the complications resulting from them</p>	
<b>9.Teaching and learning strategies</b>	
Brainstorming strategy Teamwork Strategy Discussion strategy Case Study Strategy Inductive teaching strategy Concept mapping strategy Actual field training strategy Self–education strategy E–learning strategy	<b>Education Strategies</b>
Study strategy Inference strategy Spaced practice strategy switching strategy Examples Strategy	<b>Learning strategies</b>

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	4	1
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	4	2
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	4	3
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	4	4
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	4	5
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	4	6
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-	Penetrating chest wounds,	Introducing students to penetrating chest wounds .and rib fractures	4	7

	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	4	8
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	4	9
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	4	10
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.	the Introducing students to types of heart rhythm disturbances	4	11
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.	the Introducing students to types of heart rhythm disturbances	4	12
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.	the Introducing students to types of blood transfusion techniques, blood treatment and its components	4	13
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.	the Introducing students to types of blood transfusion techniques, blood treatment and its components	4	14
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Management of burn patients, pathophysiology of burns, systemic response,	the Introduce students to pathophysiology of burns	4	15

		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.  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. Semster/Level</b>					
First Semester/ Level Two					
<b>4.Date of preparation of this description</b>					
4/2/2025					
<b>5.Available forms of attendance</b>					
Presence					
<b>6. Number of study hours(total) Number of units / (total)</b>					
30hours of practical work + 30 hours of theory / Number of units: 4					
<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					
<b>9.Teaching and learning strategies</b>					
Brainstorming strategy					

<b>Teamwork Strategy</b> <b>Discussion strategy</b> <b>Case Study Strategy</b> <b>Inductive teaching strategy</b> <b>Concept mapping strategy</b> <b>Actual field training strategy</b> <b>Self–education strategy</b> <b>E–learning strategy</b>	<b>Education Strategies</b>
<b>Study strategy</b> <b>Inference strategy</b> <b>Spaced practice strategy</b> <b>switching strategy</b> <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 Nursing Process, Health History, Health Assessment, Database Recording, Prioritization	Know the process of critical care nursing and how to assess health status	4	1
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Clinical interview ,and chief complaint .History of illness	Introduce students to how to assess a patient's health .status	4	2
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	4	3
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Physical assessment, physical examination, inspection, palpation, auscultation.	Introducing students to how to assess a patient's health condition and prepare a patient file	4	4
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	4	5
Reports, assignments, oral and written theoretical	Blackboard, PowerPoint	Chronic obstructive pulmonary disease	Introducing students to COPD	4	6

exams	slides, e-learning, lab experiments	(COPD)			
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Electrocardiogram. Interpretation, ECG ,Obtaining Procedure ECG Analysis	to the Introducing students ) electrocardiogramECG).	4	7
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	4	8
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	4	9
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	4	10
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	4	11
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	4	12
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	4	13
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Long-term complications of diabetes, macrovascular complications, microvascular complications, leg problem in diabetes.	the Introducing students to long-term complications of .diabetes	4	14
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Acute appendicitis, signs and symptoms, causes, diagnosis, complications, management.	acute Introducing students to appendicitis	4	15

<b>11. Course Evaluation</b>	
<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</b>	
<b>Semester exam 40 marks-</b>	
<b>Final exam 60 points-</b>	
<b>12. Learning and teaching resources</b>	
	Curriculum books, if any
Fed, Community Medicine, 5th <sup>ed</sup> . London 1984.	Main References (Sources)
Loping country Oxford -London 1976  Bayer. M. Community health Nursing In Dev Kart Community health nursing Philadelphia 1981.	
	Recommended supporting books and references (scientific (journals, reports
	Electronic references, websites

<b>1. Name Decision:</b>
<b>Adult Nursing</b>
<b>2. Course Code :</b>
IMA 211
<b>3. semester / Level :</b>
second semester /Level 2
<b>4. Date Preparation This Description :</b>
4/2/2025
<b>5. forms Attendance Available:</b>
presence
<b>6. number Hours Academic( Total) / Number Units Total :</b>
30 theoretical hours / number of units 4
30 Practical hours
<b>7. Course Objectives</b>

identifying risk factors and nursing interventions in -1 maintaining health in a selected group of patients' community Linking the physiological pathological condition of -2 nursing specialties and the use of alternatives in the priorities of treating the disease Understanding nursing diagnosis -3	<b>Subject Objectives Study</b>
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## 9. Strategies Education And learning:

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

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	Increased intracranial pressure, pathophysiology, clinical manifestations, management, .unconscious patient	Introducing students to the principles and rules Definitions and steps Objectives Rehabilitation Prevention of complications, nursing and rehabilitation care, and methods of diagnosis and treatment for increased pressure	4	1

Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Stroke cerebrovascular "accident" clinical manifestations, causes and management	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 stroke	4	2
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Cardiopulmonary ) resuscitation CPR )	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 cardiopulmonary resuscitation	4	3
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	4	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	4	5

<p>Theory exams Oral and written semi- terms</p> <p>And a chapter</p>	<p>Blackboard slides</p> <p>Education PowerPoint</p> <p>Electronic</p>	<p>Postoperative complications, wound infection, wound dehiscence, bleeding, thrombosis, thrombophlebitis, pneumonia</p>	<p>Students' knowledge</p> <p>Students' knowledge of principles and rules</p> <p>Definitions and steps</p> <p>Objectives and principles</p> <p>Rehabilitation Team</p> <p>Complication Prevention and Care</p> <p>Nursing, rehabilitation, diagnosis and treatment methods for post-operative complications</p>	4	6
<p>Theory exams Oral and written semi- terms</p> <p>And a chapter</p>	<p>Blackboard slides</p> <p>Education PowerPoint</p> <p>Electronic</p>	<p>Ulcer, its etiology, risk factors, stages of ulcer formation, ulcer area risk assessment form "scoring system" for nursing management</p>	<p>Students' knowledge of principles, rules, definitions, steps, objectives and principles</p> <p>Rehabilitation Team</p> <p>Prevention of complications, nursing and rehabilitation care, and methods of diagnosis and treatment of ulcers</p>	4	7
<p>Theory exams Oral and written semi- terms</p> <p>And a chapter</p>	<p>Blackboard slides</p> <p>Education PowerPoint</p> <p>Electronic</p>	<p>Center monitors for intensive care units (ICU). Equipment, instruments and nursing homes in intensive care</p>	<p>Students' knowledge of</p>	4	8

			monitoring methods to improve the health status of patients		
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Intensive care. Intensive care unit Contents, .Nursing homes	Students' knowledge of monitoring methods to improve the health status of patients	4	9
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint 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 Rehabilitation, prevention of complications, nursing and rehabilitation care, diagnostic and therapeutic methods for removing fluids from the body	4	10
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Hypertension, causes, clinical manifestations, diagnosis, complications, .management	Students' knowledge of principles, rules, definitions, steps, objectives Rehabilitation to prevent complications, nursing and rehabilitation care, and methods of diagnosis and treatment of high blood pressure	4	11
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Jaundice, its types, causes, clinical manifestations, and .treatment	Students' knowledge of principles, rules, definitions, steps, objectives Rehabilitation, prevention of complications, nursing and rehabilitation care, and methods of diagnosis and treatment of jaundice	4	12
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Hemodialysis, its types, purposes, complications, the role of the nursing .staff in hemodialysis	Students' knowledge of principles, rules, definitions, steps, objectives Rehabilitation, prevention of complications, nursing and rehabilitation care, diagnostic and treatment methods for lung lavage	4	13

Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Bronchial asthma, causes, signs and symptoms, investigations, laboratory tests, emergency management	Students' knowledge of principles, rules, definitions, steps, objectives Rehabilitation, prevention of complications, nursing and rehabilitation care, and methods of diagnosis and treatment of asthma	4	14
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Itching, itching in anaphylaxis, causes, emergency management, patient health education	Students' knowledge of principles, rules, definitions, steps, objectives Rehabilitation, prevention of complications, nursing and rehabilitation care, diagnostic and treatment methods for allergies	4	15

## 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

- Semester exam marks 40
- The Final Exam Degree 60

## 12. Sources Learning and teaching

Brunner, L. and Suddarth D., Textbook of Medical-Surgical Nursing 8th <sup>ed.</sup> , New York, Lippincott Co., 2012.	Required books Required)Methodology that I found(
Smeltzer, S. et.al, Textbook of Medical-Surgical Nursing, 10th <sup>ed.</sup> , 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 <sup>th</sup> ed. Mosby Co, 2007.	Books References The supporter which , Recommended ( Scientific journals reports )
Noor Library To download Books Free.	References electronic, Locations The Internet

<b>1. Name Decision:</b>	
Emergency Nursing 2	
<b>2. Code Course</b>	
IMA 208	
<b>3. semester /Level :</b>	
Second semester/Level 2	
<b>4. Date Preparation This Description :</b>	
4/2/2025	
<b>5. forms Attendance Available:</b>	
presence	
<b>6. number Hours Academic (Total) / Number Units (Total):</b>	
30 theoretical hours / number of units 4 30 Prcticle hours	
<b>8. Course Objectives</b>	
Learn the basics and principles of emergency management Knowing how to provide emergency services to a choking patient with upper airway obstruction or feeding tube blockage, as well as other injuries such as paralysis and others Learn how to give medications, inject therapeutic fluids, and know the complications that result from them	<b>Subject Objectives Study</b>
<b>9. Strategies Education and learning :</b>	
Strategy Explanation of the study materials by the academic staff - Strategy Knowledge By homework vocabulary Strategy Discussion. .Self-learning strategy	<b>Strategies Education</b>

Strategy Education Electronic	Strategies Learning
Study strategy Strategy Inference Ideas. Strategy Providing examples and visiting the library and websites.	

## 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	Management of the burn patient, pathophysiology of burns, systemic response, emergency phase of burn care	Introduce students to the pathophysiology of burns	4	1
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint 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	4	2
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint 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	4	3
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint 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	4	4
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint 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	4	5
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Emergency management of fracture patients, types of fractures, clinical manifestations, diagnosis	Introduce students to types of fractures, clinical manifestations, diagnosis	4	6

Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Emergency management of fracture patients, types of fractures, clinical manifestations, diagnosis	Introduce students to types of fractures, clinical manifestations, diagnosis	4	7
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Temperature emergencies, heat stroke, heat exhaustion	Introducing students to temperature emergencies	4	8
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Poisoning, ingestion of poisons, inhalation of poisons, emergency management of poisonings	Introducing students to poisoning emergencies	4	9
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Emergency management for snake, scorpion and insect bites	Introducing students to bite emergencies	4	10
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Emergency management of suicidal, drug and alcohol abuse patients	Introducing students to emergencies related to suicide, drug and alcohol abuse	4	11
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Body mechanics, body position, principle of patient transfer	Introduce students to emergency situations related to the principle of patient transport	4	12
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Gastric feeding, lavage, symptoms, indications, nursing care	Introduce students to emergency situations related to the principle of gastric lavage	4	13

Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Wound suturing in the emergency department, purpose, principles of suturing, role of nursing staff	Introduce students to emergency situations wound suturing related to	4	14
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Foreign bodies in the eye, ear, nose and throat and emergency management	Introduce students to emergencies involving foreign bodies in the eyes, nose, ears and throat	4	15

## 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

- Semester exam marks 40
- The Final Exam Degree 60

## 12. Sources Learning And teaching

Fred, Community Medicine, 5th ED. London 1984.	Required books Required)Methodology that I found(
Bayer. M. Community health NURSING 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

### 1. Course Name:

**Poisons**

### 2. Course Code:

**IMA 213**

<b>3. Semester / Level :</b>	
First semester /Level 2	
<b>4. Date Preparation This Course :</b>	
4/2/2025	
<b>5. Forms Attendance Available :</b>	
presence	
<b>6. number Hours Academic( Total) /Number Units Total:</b>	
30 hoursTheoretical Number of units 4	
30 Practicle hours	
<b>8. Course Objectives :</b>	
<p>-To study Principle Exposure For materials Chemical and elements Physical Toxic</p> <p>Different and factors Environmental And its sources And mechanisms I named it And its dangers On human So that It is possible</p> <p>Students From Understand Measures Required To protect Objects The snake Against Risks Toxic The suspect In it How to Dealing</p> <p>Be careful with her And the mastery Most importantly Ways Treatment Useful For all Elements and vehicles toxic</p>	<p><b>Subject 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 theoretical exams Oral and written semi- terms And a chapter	Blackboard PowerPoint Slides Education Electronic experimentatio n Laboratory	Toxic materials Carcinogenic Introduction About Use Devices Laboratory Scientific	Introducing toxic students to materials Carcinogens and use Laboratory Equipment Scientific	4	2
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,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	4	3
,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	4	4
,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	4	5
,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 ions.	Introducing students to substances that are toxic to the skin	4	6
,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	4	7

,Reports theoretical exams Oral and written semi- terms And a chapter	Blackboard PowerPoint Slides Education Electronic	Members Targeted Toxicology The device.Blood toxicity The snake	Introducing students to blood toxic substances	4	8
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	experimentati on Laboratory				
,Reports theoretical exams Oral and written semi- terms And a chapter	Blackboard PowerPoint Slides Education Electronic experimentati on Laboratory	Materials Toxic:Food additives Pollutants are toxic Hydrocarbons	Introducing students to toxic food additives Pollutants are toxic Hydrocarbons	4	9
,Reports theoretical exams Oral and written semi- terms And a chapter	Blackboard PowerPoint Slides Education Electronic experimentati on Laboratory	Materials Toxic : Pesticides Factors Toxic On urinary system	Introducing students to pesticide agents Toxic On urinary system	4	10
,Reports theoretical exams Oral and written semi- terms And a chapter	Blackboard PowerPoint Slides Education Electronic experimentati on Laboratory	Materials Toxic: Toxic metals pesticides Insect	Introducing students to toxic metals	4	11
,Reports theoretical exams Oral and written semi- terms And a chapter	Blackboard PowerPoint Slides Education Electronic experimentati on Laboratory	Materials Toxic: Radiation and materials Radiant effect The poisonous For some Plants	Introducing students to radiation and materials Radiant effect The poisonous For some Plants	4	12

,Reports theoretical exams Oral and written semi-terms And a chapter	Blackboard PowerPoint Slides Education Electronic experimentati 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	4	13
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,Reports theoretical exams Oral and written semi-terms And a chapter	Blackboard PowerPoint Slides Education Electronic experimentation on Laboratory	Gasestear dropper , spray Pepper toxic poison Scorpio	Introducing students to the name Gases	4	14
,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	4	15

## 11. Course Evaluation

Distribution Degree From 100 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 40  
Final 60 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  Hayes' Principles and Methods of Toxicology - A. Wallace Hayes - 2014	Books References The supporter which Recommended ( Scientific journals, ,reports)
	References electronic, Locations The Internet

<b>1. Course Name:</b>					
Computer					
<b>2. Course code :</b>					
NTU 201					
<b>3. Semester / Level :</b>					
first semester /Level 2					
<b>4. Date Preparation This Description :</b>					
4/2/2025					
<b>5. forms Attendance Available:</b>					
presence					
<b>6. number Hours Academic( Total) / Number Units Total :</b>					
15 hour Theoretical Number of units 2					
15 Practicle hours					
<b>8. Course Objectives :</b>					
Students will be able to Use the computer for basic tasks Identify and discuss the hardware components of a computer system Create documents using a word processor and create presentations Conduct research on the Internet Introduction to Artificial Intelligence			<b>Subject objectives Study</b>		
<b>9. Strategies Education and learning :</b>					
Students will be able to Use the computer for basic tasks Identify and discuss the hardware components of a computer system Create documents using a word processor and create presentations Conduct research on the Internet Introduction to Artificial Intelligence			<b>Subject objectives Study</b>		
<b>10. Course Structure :</b>					
<b>Method Evaluation</b>	<b>Method Learning</b>	<b>Name Unit or The subject</b>	<b>Outputs Learning Required</b>	<b>Hours</b>	<b>week</b>

,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation Laboratory	Word Processing: Word processing basics; opening and closing documents; creating and manipulating text, formatting text; working with a table: spell checking, setting language and synonyms; printing aWord document .	Introducing students to the its benefits, ,Excel program specifications, methods of operating it, collecting data, sorting data, using some functions, and closing theprogram.	2	4
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation Laboratory	Spreadsheet: Spreadsheet basics; working with cells; formulas and functions; editing .a spreadsheet, printing a spreadsheet	Introducing Students to Spreadsheets: Spreadsheet Basics	2	5
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation Laboratory	Presentation Software: Presentation Software Basics: Creating presentations; preparing and presenting slides; viewing slides; taking printouts of .presentations/printouts	Introducing Students to Presentation Software: Presentation Software Basics: Creating Presentations	2	6
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation Laboratory	Introduction to the Internet and Web . ;Browsers: Basics of Computer NetworksLAN andWAN Networks Internet Concept and ; Applications; Internet Connection; World Wide Web; Web Browsers and Search Engines; UnderstandingURL ;Domain Name ;IP Address .	Introducing students to the Internet and Web browsers: Computer networking basicsLAN andWAN networks	2	7
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation Laboratory	Communications and Email: Email basics; Getting an email account; Sending and receiving email; Accessing sent email; Using .email; Collaborating on documents	Introducing Students to Communications and Email: Email Basics	2	8

,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentatio n Laboratory	Computer Troubleshooting: Identify and resolve common hardware and software problems encountered by computer users. Basic troubleshooting techniques and tools to diagnose and resolve problems	Introducing students to computer troubleshooting	2	9
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic laboratory experiments	Security and Networking: What is a Network? Types of Networks. Basic Network Components. Network Security Basics. Understanding Network Threats. Network Troubleshooting	Introducing Students to Security and Networks: What is a Network? Types of Networks	2	10
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic laboratory experiments	E-commerce: Concepts of electronic banking services which include online banking: ATM and debit card services, telephone banking, SMS banking, e-alert, mobile banking	E- Introducing students to commerce: Concepts of e- banking which include online banking	2	11
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic laboratory experiments	Computer Troubleshooting: Identify and resolve common hardware and software problems encountered by computer users. Basic troubleshooting techniques and tools to diagnose and resolve problems	Introducing students to computer troubleshooting: Identifying and solving common hardware and software problems	2	12
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic laboratory experiments	Introduction to Artificial Intelligence: Definition of AI, History of AI, AI Technologies and Methods, Challenges and Ethical Considerations	Introducing students to introduction to artificial intelligence: Definition of artificial intelligence.	2	13

,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic laboratory experiments	Artificial intelligence in our daily lives: Artificial intelligence in smartphones and virtual assistants such as Siri or Google Assistant .  Artificial Intelligence Applications: Education, Healthcare, Finance, Transportation, Marketing and Advertising.  Artificial Intelligence and Society: (How AI Affects Social and International Relations, AI .and the Future of Humanity	Introducing students to AI in our daily lives , AI applications, and AI and society	2	14
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic laboratory experiments	Ethical Challenges in Artificial Intelligence: AI Ethics, Privacy and Surveillance, and the ) (Impact of AI on the Labor Market.  The Future of Artificial Intelligence (Future trends in AI, recent research and emerging technologies	the Introducing students to ethical challenges of AI and the future of AI	2	15

## 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

- 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) Alan Evans, Kendall Martin, Mary Anne Poatsy, "Technology In Action Complete", 16th Edition (2020).	Required books Required)Methodology that I found(
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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	
<b>2. Course code :</b>	
NTU 202	
<b>3. Semester / Level :</b>	
Second semester/Level 2	
<b>.4 Date Preparation This Description :</b>	
4/2/2025	
<b>.5 forms Attendance Available:</b>	
presence	
<b>.6 number Hours Academic( Total) /Number Units Total:</b>	
30 theoretical hours / number of units 2	
<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>	

Strategy Storm Mental Strategy Work Collective Discussion Strategy - Strategy Study Status - Inductive teaching strategy Conceptual Maps Strategy- Strategy Training Field Practical Self-learning strategy -Strategy Education Electronic  -Strategy Memorandum - Strategy Conclusion - Strategy Practice The spaced Strategy Switch Between Ideas-Example Presentation Strategy	<b>Strategies Education</b>  <b>Strategies Learning</b>
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## 10. Course Structure :

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

,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation on Laboratory	Pronouns	identification Students with pronouns in Arabic.	2	4
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation on Laboratory	Original and secondary diacritical marks	identification Students use the correct rules of original and secondary diacritics in the Arabic language.	2	5
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation on Laboratory	Actions The five	identification Students using the correct rules for verbs five in Arabic	2	6
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation on Laboratory	letters Kindness and its meanings	Introducing students to the correct use of letters Kindness And its meanings in the Arabic language.	2	7
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentation on Laboratory	Hamza Connection And the pieces	identification Students using the correct rules of hamza Connection And the pieces in the Arabic language.	2	8-9
,Reports theoretic al exams Oral and written	Blackboard slides Education PowerPoint Electronic laboratory experiments	Letters excess	identification Students use the correct rules for extra letters in the Arabic language.	2	10
,Reports theoretical	Blackboard	The letter Nun Tanween	identification Students using the correct rules	2	11

exams Oral and written	slides Education PowerPoint Electronic laboratory experiments		for the letter noon Tanween in the Arabic language.		
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimental testing	The speech Administrative	identification Students about the speech Administrative	2	12-13
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimental testing	Months Errors Linguistic Common in Books Official	identification Students in months Errors Linguistic Common in Books OfficialIn Arabic	2	14-15

## 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 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 - 2008	Required books Required)Methodology that I found(
Introduction to Arabic linguistics. Abdullah Al-Taie . 2015 Contemporary Arabic Literature- Muhammad Muhammad Hussein- 2010	Main ReferencesSources
Abdul Rahman Al-Fawzan - 2016 - Arabic Grammar Level 1	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 / Level :</b>	
Second semester/Level 2	
<b>4. Date Preparation This Description :</b>	
4/2/2025	
<b>5. forms Attendance Available:</b>	
presence	
<b>6. number Hours Academic( Total) /Number Units Total:</b>	
30 hours of work / number of units 2	
<b>8. Course Objectives :</b>	
Ability to define problems and find appropriate solutions Proficiency in dealing with various devices and tools in order to implement the project Students implement integrated production works	<b>Subject objectives Study</b>
<b>9. Strategies Education And learning :</b>	

Strategy Storm Mental Strategy Work CollectiveDiscussion Strategy - Strategy Study Status - Inductive teaching strategy Conceptual Maps Strategy- Strategy Training Field PracticalSelf-learning strategy -Strategy Education Electronic	<b>Strategies Education</b>
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-Strategy Memorandum - Strategy Conclusion - Strategy PracticeThe spaced Strategy Switch Between Ideas-Example Presentation Strategy			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 Education PowerPoint Electronic experimentati 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	2	1
,Reports theoretical exams Oral and written	Blackboard slides Education PowerPoint Electronic experimentati on Laboratory	Implementation of the project in laboratories and preparation Reports on the stages reached, with weekly follow-up of the progress of work and work .obstacles	Knowledge and practical application	2	(4-2 )
,Reports theoretical exams Oral , written and quarterly	Blackboard slides Education PowerPoint Electronic experimentati 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	2	5
,Reports theoretical exams Oral , written and quarterly	Blackboard slides Education PowerPoint Electronic experimentati on Laboratory	Resume project implementation and complete the practical side	Knowledge and practical application	2	(12-6)
,Reports theoretical exams Oral , written and quarterly	Blackboard slides Education PowerPoint Electronic experimentati on 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	2	13

,Reports theoretical exams Oral , written and quarterly	Blackboard slides Education PowerPoint Electronic experimentation on Laboratory	Completing the project with its practical and theoretical aspects and preparing for the final discussion	Knowledge and practical application	2	14
,Reports theoretical exams Oral , written and quarterly	Blackboard slides Education PowerPoint Electronic experimentation on Laboratory	Final discussion of the project	Knowledge and practical application	2	15

## 11. Course Evaluation

Distribution Score from 100 to According to Tasks The taxpayer With it The student is like Preparation Practical .Reporting and research etc

-Discussion Final 100 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  The Craft of Research - Wayne C. Booth, Gregory G. Colomb, Joseph M. Williams - 2016	Main ReferencesSources
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 / Level :</b>	
second semester /Level 2	
<b>4. Date Preparation This Description :</b>	
4/2/2025	
<b>5. forms Attendance Available:</b>	
presence	
<b>6. number Hours Academic(Total) / Number Units (Total) :</b>	
15 theoretical hours / number of units 3	
15Practicle hours	
<b>8. Course Objectives :</b>	
<p>Students learn about the types of blood cells such as red blood -1 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 -2 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 -3 . understand laboratory results related to blood health</p> <p>Introducing students The process of blood clotting and its -4 . importance in stopping bleeding and preventing excessive blood loss</p>	<b>Subject Objectives Study</b>
<b>9. Strategies Education and learning :</b>	

<p>Strategy Explanation of the study materials by the academic staff</p> <p>- Strategy Knowledge By homework vocabulary</p> <p>Strategy Discussion. .Self-learning strategy Strategy Education Electronic</p> <p>Study strategy Strategy Inference Ideas. Strategy Providing examples and visiting the library and websites.</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	weeks
,Reports theoretical exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Introduction to blood. .Study of blood content	Student Definition with blood content	3	1
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Blood formation in the fetus, children and adults	Student Definition in the process of blood formation	3	2
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Normal red blood cells, their importance, structure, formation and function of red blood cells	Student Definition Red blood cells and their function	3	3
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Polycythemia, causes, clinical signs and laboratory diagnosis	Student Definition Causes of increased red blood cells and their effects on humans	3	4
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint 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	3	5

Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Abnormalities in the shape of red blood cells.	Students' knowledge of the types of abnormal blood cells in terms of shapes	3	6
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Red blood cell color abnormalities.	Students' knowledge of abnormal red blood cell colors	3	7
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	The normal hemoglobin level in the blood, its content and its importance	Students' knowledge of the normal hemoglobin levels in the human body for different ages and genders	3	8
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Study of normal Hb types .	Students' knowledge of the normal types of hemoglobin in the human body and for different ages and genders	3	9
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Heterogeneous Hb types	Students' knowledge of the abnormal types of hemoglobin in the human body	3	10
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Anemia. Definition, classification and types	Students' knowledge of anemia and its types	3	11

Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Anemia. Causes, clinical signs and laboratory findings	Students' knowledge of anemia, clinical signs, etc	3	12
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	White blood cells, their function, types, maturation, abnormalities and diseases	Students' knowledge of white blood cells, their function and types	3	13
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Blood clotting, definition and types. Clotting factors, types of blood clotting disorders	blood Students learn how .clots, clotting factors, etc	3	14
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Leukemia definition and classification	To familiarize students with various blood diseases, including .leukemia	3	15

## 11. Course Evaluation

Distribution Score from 100 to According to Tasks The taxpayer With it The student is like Preparation Practical .Reporting and research etc

- Midterm examdegrees 40

Final exam 60 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
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<b>1.Course name</b>	
Pharmacology	
<b>Course code .2</b>	
IMA 209	
<b>3.Semster/Level</b>	
First SemesterLevel Two /	
<b>4.Date of preparation of this description</b>	
4/2/2025	
<b>5.Available forms of attendance</b>	
presence	
<b>6. Number of study hours (total)Number of units / (total)</b>	
30 hours of practical work + 30 hours of theory / Number of units: 4	
<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> <p>Study strategy</p>	Education Strategies

<b>Inference strategy</b> <b>Spaced practice strategy</b> <b>switching strategy</b> <b>Example Giving Strategy</b>	<b>Learning strategies</b>
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## 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	Introduction; Pharmacokinetics and Pharmacodynamics. Drugs, Receptors	Introducing students to the basics of pharmacology Drug dynamics	4	1
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Dosage; Dosage estimation; Factors affecting dosage. Dosage form.	Introduce students to dose estimation, factors affecting dose	4	2
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	4	3
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Autonomic nervous system; parasympathetic nervous system; ganglia; acetylcholine Cholinergic drugs.	Introducing students to cholinergic drugs of the nervous system	4	4
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	;autonomic nervous system; Ganglia of the nervous system; Sympathetic acetylcholine Cholinergic drugs.	Introducing students to cholinergic drugs of the nervous system	4	5
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Sympathetic nervous system: adrenaline; adrenergic drugs. Effects on the body and uses in medicine.	Introducing students to adrenergic drugs of the sympathetic nervous system	4	6
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Sympathetic nervous system: adrenaline; adrenergic drugs. Effects on the body and uses in medicine.	Introducing students to adrenergic drugs of the sympathetic nervous system	4	7
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	4	8
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 - Atropine	4	9
Reports, assignments, oral	Blackboard,	A medicine used for the	Introduce students to	4	10

and written theoretical exams	PowerPoint slides, e-learning, lab experiments	respiratory system. Expectorants, mucolytics, bronchodilators. Uses of medicines to treat asthma.	the uses of medications .to treat asthma		
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Drugs used for the cardiovascular system ;Bloody. Cardiotonic. Uses Toxic side effect.	Introducing students Medications used for system Cardiovascular	4	11
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Antiarrhythmic drugs. Vasodilator Heparin, Capron cycle; drug used for cholesterol	Introducing students Antiarrhythmic drugs	4	12
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	Antihypertensive drugs. Diuretics Adrenergic blockers	Introducing students Antihypertensive drugs. Diuretics	4	13
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	A medicine used for the urinary system. Nephron. Antibiotics used to treat urinary tract infections.	Introducing students Medications for the treatment of urinary tract infections	4	14
Reports, assignments, oral and written theoretical exams	Blackboard, PowerPoint slides, e-learning, lab experiments	A medicine used for the urinary system. Nephron. Antibiotics used to treat urinary tract infections.	Introducing students Medications for the treatment of urinary tract infections	4	15

#### 11.Course Evaluation .

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-

#### 12.Learning and teaching resources .

Tawfiq Al-Hussaini - Pharmacology - Ministry of Health - Health Education Foundation - 1986	Curriculum books, if any
Basic and Clinical Pharmacology" by Bertram G. Katzung, Susan B. Masters, and Anthony J. Trevor. 2017.  "The Pharmacological Basis of Therapeutics" by Laurence L. Brunton, Randa Hilal-Dandan, and Bjorn Knollmann.2017.  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

#### 1. Course Name:

**Occupational Safety Principles**

#### 2. Course Code:

**3. Semester / Level :**

Second semester/Level 2

**4. Date Preparation This Description :**

4/2/2025

**5. forms Attendance Available:**

presence

**6. number Hours Academic( Total) /Number Units  
Total:****30 theoretical hours / number of units 2****8. Course Objectives :**

Providing the necessary knowledge and skills for -1  
preventive precautions and emergency measures, including  
training in the use of personal protective equipment and  
implementation of emergency plans.

To have the ability to think correctly and take appropriate -2  
action in the event of any situation occurring in the  
laboratory

To know the dangers of fires, how to deal with them, and -3  
the rules of fire prevention

Providing the skills necessary to plan and implement -4  
safety programs and manage safety in the workplace,  
including performance evaluation and continuous  
improvement.

To be familiar with safety instructions in laboratories -5.  
Identify the causes of accidents and common To -6  
incidents in the work environment, and to apply effective  
investigation techniques to address accidents and avoid  
their recurrence.

7 - Encouraging awareness of the importance of  
occupational safety and promoting safe behaviors in the  
workplace through awareness and training.

**Subject Objectives Study****9. Strategies Education and learning :**

**Strategy Explanation of the  
study materials by the academic  
staff**

- **Strategy  
Knowledge By  
homework**

**Strategies Education**

<b>vocabulary</b> <b>Strategy Discussion.</b> <b>Self-learning</b> <b>.strategy</b> <b>Strategy Education</b> <b>Electronic</b>  <b>Study strategy</b> <b>Strategy Inference Ideas.</b> <b>Strategy Providing examples</b> <b>and visiting the library and</b> <b>websites.</b>	<b>Strategies Learning</b>
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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 Education PowerPoint Electronic	Introduction - Occupational Safety	Introducing students to occupational safety and basic occupational safety skills	2	1
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	2	2
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Work environment definition	Introducing students to the work environment	2	3
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Risk management	Student Definition Work related risks and management	2	4
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Risk management objectives	Student Definition Main objectives of risk management	2	5

Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Personal Protective Equipment - Types and How to Use	Students' knowledge of personal protective and how equipment to use it	2	6
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Chemical and physical hazards	Students' knowledge of physical and chemical hazards and how to deal with them	2	7
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Types of fires and fire safety instructions	Students' knowledge of the dangers of fires and how to deal with them	2	8
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Identify and investigate accidents	Learn how to identify the causes of common accidents and incidents in the workplace	2	9
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	To develop skills and emergency measures	Students' knowledge of how to implement emergency plans	2	10
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	To learn about occupational safety laws and regulations	Students' knowledge of occupational safety laws and regulations	2	11
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	first aid	Students' knowledge of the necessary and basic first aid procedures	2	12

Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Safety in closed spaces and confined spaces , the importance of mental health in the work environment and how to enhance it.	Students learn how to handle indoor safety procedures and ways to .promote mental health	2	13
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	specific fields Safety in such as construction, chemical industries, oil and gas, medicine, agriculture, .etc	Students' knowledge of safety methods in different fields	2	14
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Occupational safety assessment tools and how to use them.	Students' knowledge of occupational safety assessment tools and reports and how to use them	2	15

## 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

- Semester exam marks 30
- The Final Exam Degree 0 7

## 12.Sources Learning and teaching

Occupational Safety and Health for Technologists, Engineers, and Managers” by David L. Goetsch and Eugene R. Braswell.2021  Introduction to Occupational Health in Public Health Practice” by Bernard J. Healey, Kenneth T. Walker, and Elizabeth T. Masters.2019	Required books Required)Methodology that I found(
Safety Professional's Reference and Study Guide" by W. David Yates. 2019	Main ReferencesSources
Occupational Health and Safety Management: A Practical Approach” by Charles D. Reese.2019	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>	
Primary health care	
<b>2. Course Code:</b>	
IMA 207	
<b>3. Semester / Level :</b>	
First semester /Level 2	
<b>4. Date Preparation This Description :</b>	
4/2/2025	
<b>5. forms Attendance Available:</b>	
presence	
<b>6. number Hours Academic( Total) /Number Units Total:</b>	
30 theoretical hours / number of units 2	
30 Practicle hours	
<b>8. Course Objectives :</b>	
The student should be able to know Maternity and child care programs -1 Environmental health and environmental pollution programs -2 mmunization programs against diseases and cold chain -3 Rural health care programs -4 School health programs-5 Infectious disease prevention programs - 6 Gaining skill and experience in educational and health programs -7	<b>Subject Objectives Study</b>
<b>9. Strategies Education and learning :</b>	

<p>Strategy Explanation of the study materials by the academic staff</p> <ul style="list-style-type: none"> <li>- Strategy Knowledge By homework vocabulary</li> </ul> <p>Strategy Discussion. Self-learning .strategy</p> <p>Strategy Education Electronic</p>	<p><b>Strategies Education</b></p>
<p>Study strategy</p> <ul style="list-style-type: none"> <li>- Strategy Inference Ideas.</li> <li>- Strategy Providing examples and visiting the library and websites.</li> </ul>	<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	Health - Public Health - Community Health - Primary Health Care - Elements of Primary Health Care	Introducing students to public health – community health – primary health care elements of – primary health care	2	1
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Family status assessment: family definition – family status assessment – information collection – family card Community assessment: community definition – information gathering – diagnosis of health problem priorities – problem analysis – planning – implementation – evaluation	Student Definition Family - Family assessment - Information .collection - Family card	2	2

Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Community Health Nursing Development – Elements of Primary Health Care	Introducing students to the development of community health nursing	2	3
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Community assessment – collecting information about the community – analyzing the information – diagnosis nursing the health needs – of the community – developing a nursing care plan – implementing the plan – evaluating nursing care	Introducing students to Community assessment – gathering information about the community	2	4
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Health education - its objectives and means of mass communication	Introducing students to Health education and its objectives	2	5
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Educational tools - rules for using the tool - the role of the nurse in health education	Students' knowledge of the role of the nurse in health education	2	6
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Maternity and Child Care. Maternity care – its importance – its objectives. Mother's care during pregnancy	Students' knowledge of the and importance objective of maternal and child care	2	7
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Maternal care during childbirth. Maternal care during the postpartum period. The role of the nurse in maternity care	Students' knowledge of methods maternal care during childbirth	2	8

Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Child care - its importance - its objectives. Newborn care . Infant Vaccinations - Child . Care in Nurseries	Students' knowledge of newborn care methods	2	9
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Home visit - its importance its objectives - planning - . for the home visit	Students' knowledge of the objectives and importance of home visits	2	10
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Methods of communicating with the head of the household. Preparing reports - duties of the nurse . in family nursing	Students' knowledge of the duties of the nurse in family nursing	2	11
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	School health - its objectives. School health services - school health . environment	Students' knowledge of the importance of school health and its objectives	2	12
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	School health education - school card. The role of the . nurse in organizing the card	Students' awareness of the importance of School health education and health card organization	2	13
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Immunization against diseases - Types of vaccines B-C-G vaccine -. Triple vaccine - polio . vaccine - measles vaccine Mixed measles vaccine - vaccinations for pregnant women - typhoid vaccine - the role of the nurse in immunization against . diseases	Students' knowledge of of immunization methods against diseases and types of common vaccines	2	14
Theory exams Oral and written semi-terms And a chapter	Blackboard slides Education PowerPoint Electronic	Cold chain - its importance - professional rules to ensure the effectiveness of the cold chain - its components - cold chain procedures. Stages of vaccine distribution - care of vaccines in the refrigerator - health center - the role of the nurse in the cold chain - . registration	Students' knowledge of the stages of vaccine distribution	2	15

## 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

- semester exam 40 marks
- Final Exam Degree 60

## 12.Sources Learning and teaching

Hoda Abdel Ghani - Samira Marouf - Community Health Nursing, Solidarity Press, 1985 / Baghdad Fred, Community Medicine, 5th ED. London 1984.  Bayer. M. Community health NURRSING In Dev loping country Oxford - London 1976.	Required books Required)Methodology that I found(
Freeman, Ruth Community Health Nursing Philadelphia, 1981.	Main ReferencesSources
M. Priest Modern text book for Nurses – 5th <sup>ed</sup> . - London 1977.	Books References The supporter which , Recommended ( Scientific journals reports )
Noor Library To download Books Free.	References electronic, Locations The Internet

### 1. Course Name:

Statistics

### 2. Course Code:

TIDO205

### 3. Semester / Level :

First Semester /The year the second

### 4. Date Preparation This Description :

4/2/2025

### 5. forms Attendance Available:

Presence

### 6. number Hours Academic( Total) /Number Units Total:

30 theoretical hours / number of units 2

## 8. Course Objectives :

- 1The goal Basic Grant Students Ability On Dealing With Concept Statistics.
- Confirmation On Knowledge and skill Required To perform Duties And 2 responsibilities
- Emergency medical technician Efficiently .
- Application Concept Applications Statistics Vital In Medical field 3
- When Graduation The course It will be Students Able On Understand 4 Applications Statistics In it The field Medical.

**Subject  
objectives  
Study**

## 9. Strategies Education And learning :

- Strategy Storm Mental
- Strategy Work Collective
- Discussion Strategy
- Case Study Strategy -
- Inductive teaching strategy
- Conceptual Maps Strategy
- Strategy Training Field The practical-
- Learning Strategy Self
- Strategy Education Electronic
- Strategy Memorandum
- Conclusion Strategy -
- Strategy PracticeThe spaced
- Switching strategy Between Ideas
- Strategy Presentation Examples

**Strategies  
Education**

**Strategies  
Learning**

## 10. Course Structure :

Method Evaluation	Learning method	Name Unit or The subject	Learning Outcomes Required	Hours	week
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Reports theoretical exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	Coordinates and drawing Functions Level- Functions- Value The divorced Variances	Concepts Basic mathematics	2	1
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	function displacement And the mile And the equation of the straight line	Equation Straight	2	2
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	theory Purpose and conditions of continuity	The expensive one And continuity	2	3
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	purpose Infinity Conditions of continuity And applications	The expensive one Including the infinite	2	4
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	Introduction Statistics and statistical concepts and the roads Statistics	Statistics Life	2	5

Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	Statistical theory And its applications	Concepts Statistics	2	6
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	Properties probability; Defining the theory And blogging Group( Basic Notation)	Concept probability	2	7
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	Techniques Count- Exchanges and combinations; calculating the probability of events	Techniques The account And the count	2	8

Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	Probability distribution For the variable ;separate Distribution With The two borders Poisson distribution	Distribution Poisson	2	9
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	probability Continuous distribution and distribution Natural	Normal distribution	2	10
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	Sample average And average Number population; The median; put Scale The tendency Central ; Review Questions and Exercises	Distribution Probability	2	11
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	s of differentiation And the straight one Tangent to curve and applications	Concept Measurements The central tendency	2	12
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	ive of trigonometric functions, their applications and exercises	Derivative	2	13
Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	Factor Differences Error traditional; Correlation analysis Application Statistics In Medical field. .Review questions And exercises..	Derivative functions Trigonometry Integration	2	14

Theory exams Oral and written half Quarterly and quarterly	Blackboard PowerPoint Slides Education Electronic	Deviations The difference: deviation; Dispersion And volatility. Deviation Standard And the contrast.	Deviation and contrast	2	15
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## 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>- S e m s t e r Exam 30 Degree</li> <li>- Final Exam Degree 70</li> </ul>	
<b>12.Sources Learning and teaching</b>	
Introduction Statistics – seven edition-by Prem S. Mann- Calculus-11 edition by Thomas-2005- Biostatistics (A Foundation for Analysis in the Health - Nine edition- by Wayne W. Daniel-2005 sciences)	The Book Methodological
Calculus-11 edition by Thomas-2005 Biostatistics (A Foundation for Analysis in the Nine edition- by Wayne W. Health sciences) Daniel-2005	External sources

<b>1. Course Name:</b>
<b>Crimes of Al-Baath regime</b>
<b>2. Course Code:</b>
<b>NTU 203</b>
<b>3. Semester / Level :</b>
First Semester /Level 2
<b>4. Date Preparation This Description :</b>
4/2/2025
<b>5. forms Attendance Available:</b>
presence
<b>6. number Hours Academic( Total) /Number Units Total:</b>
30 Theoretical hour / counting units 2
<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 1</li> </ul> <p>The Tragic which Cause Party Mission In Iraq</p> <ul style="list-style-type: none"> <li>- Definition Students In types Crimes And its numbers Which No Counted 2.</li> <li>- Awareness Generations The Ascending By the roads Twisted For the 2 system administration Mission The tyrant.</li> <li>- Study Motives Which It was behind Implementation Crimes Mission Right 3 The people.</li> <li>- Study Path Mission Politically And administratively And militarily 4.</li> </ul>	<p><b>Objectives The material Study</b></p>
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## 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 Practical Self-learning strategy -Strategy Education Electronic	<b>Strategies Education</b>
-Strategy Memorandum - Strategy Conclusion - Strategy PracticeThe spaced Strategy Switch Between Ideas- Example Presentation Strategy	<b>Strategies Learning</b>

## 10. Course Structure :

Method Evaluation	Learning method	Name Unit or The subject	Learning Outcomes Required	Hours	weeks
,Reports theoretical exams Oral and written semi-terms And a chapter	Black board slides Education PowerPoint Electronic	Basic Terms	Students' knowledge of basic terms	2	1

Theory exams Oral and written semi-terms And a chapter	Black board slides Education PowerPoint Electronic	Date Origin The mission In Iraq	To acquaint students with the history of the Baath Party	2	2
Theory exams Oral and written semi-terms And a chapter	Black board slides Education PowerPoint Electronic	Types The crime.	Students' knowledge of types of crime	2	3
Theory exams Oral and written, semi-quarterly and quarterly	Black board slides Education PowerPoint Electronic	Reasons Crimes And its reasons	Students' knowledge of the causes and motives of crimes	2	4
Theory exams Oral and written semi-terms And a chapter	Black board slides Education PowerPoint Electronic	Executors Crimes The mission And his leadership The oppressor.	Students know the perpetrators of Baath crimes and their leaders	2	5

Theory exams Oral and written semi-terms And a chapter	Black board slides Education PowerPoint Electronic	Overview Nations United To Crime The mission.	Students' knowledge of the crimes of the Baath and the United Nations' view	2	6
Theory exams Oral and written semi-terms And a chapter	Black board slides Education PowerPoint Electronic	Rights Human And crimes The mission.	Students' knowledge of human rights and the crimes of the Baath Party	2	7
Theory exams Oral and written semi-terms And a chapter	Black board slides Education PowerPoint Electronic	Violations System The mission For human rights	Students' awareness of the Baath regime's human rights violations	2	8
Theory exams Oral and written semi-terms And a chapter	Black board slides Education PowerPoint Electronic	Crimes Military	Students' knowledge of military crimes	2	9
Theory exams Oral and written semi-terms And a chapter	Black board slides Education PowerPoint Electronic	Crimes Politics	Students' knowledge of political crimes	2	10

Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Crimes Economic	Students' knowledge of economic crimes	2	11
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Crimes The city	Students' knowledge of civil crimes	2	12
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Crimes Social	Students' knowledge of social crimes	2	13
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Crimes Extermination	Students' knowledge of genocide crimes	2	14
Theory exams Oral and written Half term And a chapter	Black board PowerPo int Slides Educa tion Electroni c	Review lectures In a way Comprehensive.	Students' extensive knowledge of the curriculum and review of the material	2	15

## 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

- The Semester exam degrees 30
- The Final Exam Degree 70

## 12.Sources Learning and teaching

Required books Required)  
Methodology that  
I found(

<p>clash Hussein The origin Date of the crime-Father Peace slave ,Allah- 1990</p> <p>Saddam's mission Vision From Inside System authoritarian, Youssef Sasson- 2015</p>	<p>Main References Sources</p>
	<p>Books References The supporter which Recommended ( Scientific journals, ,reports(</p>
<p>Location Organization Rights Human Follower For the nations United.</p>	<p>References electronic, Locations The Internet</p>

<b>1.Course name :</b>
<b>Nutrition and food processing</b>
<b>2. Course Code :</b>
<b>IMA 214</b>
<b>3. semester / Level :</b>
First Semester /Level 2
<b>4. Date Preparation This Description :</b>
4/2/2025
<b>5. forms Attendance Available:</b>
presence
<b>6. number Hours Academic( Total) /Number Units Total:</b>
30 Theoretical hour / counting units 2
<b>8. 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>
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## 9. Strategies Education and learning :

<p>Strategy Storm Mental</p> <p>Strategy Work Group-</p> <p>Discussion Strategy</p> <p>- Strategy Study Status - Inductive teaching strategy Conceptual Maps</p> <p>Strategy-Strategy Training Field</p> <p>PracticalSelf-learning strategy</p> <p>-Strategy Education Electronic</p> <p>-Strategy Memorandum</p> <p>- Strategy Conclusion -Strategy PracticeThe spaced Strategy</p> <p>Switch Between Ideas-Example</p> <p>Presentation Strategy</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	weeks
<p>,Reports</p> <p>theoretical exams</p> <p>Oral and written semi-terms</p> <p>And a chapter</p>	<p>Blackboard</p> <p>slides</p> <p>Education</p> <p>PowerPoint</p> <p>Electronic</p>	<p>Healthy nutrition - the importance of a balanced diet</p> <p>.how the body uses food -</p>	<p>Students' knowledge of the importance of a balanced diet</p>	<p>2</p>	<p>1</p>

Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Daily nutritional standards and recommendations - nutritional .needs of individuals	Students' knowledge of daily nutritional standards and recommendations	2	2
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Nutrients in food - Carbohydrates - Classification - Functions - Carbohydrates in food - Carbohydrate needs - Tooth .decay	Students' the knowledge of nutrients in food	2	3
Theory exams Oral and written, semi- quarterly and quarterly	Black board slides Education PowerPoint Electronic	Natural dietary fiber - its sources the importance of fiber - the - relationship between fiber and .heart disease	Students' knowledge of natural dietary fibers	2	4
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Fats - Essential fatty acids - The role of fats in the body - Fats in food - Nutritional needs - The relationship between fats and .heart disease and cancer	Students' knowledge the role of fats in of the body	2	5

Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Proteins - amino acids - food as a source of amino acids - functions of proteins - the need for proteins - food .sources	Students' knowledge of proteins in the role of the body	2	6
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Energy - The body's energy needs - Energy balance - Caloric value of foods - .Nutrition tables	Students' knowledge of the body's the role of energy needs	2	7
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Water - its distribution in the body - its functions - individual water requirement for electrolytes in the body - sodium - .potassium - chloride	Students' knowledge individual water of needs	2	8
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Mineral salts - calcium - iron .iodine -	Students' knowledge of mineral salts	2	9

Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Fat-soluble vitamins Vitamin KDA .	Students' knowledge of fat-soluble vitamins	2	10
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Water-soluble vitamins: VitaminC, B12, B6, B1, B2, .. .Folic acid, Thiamine –	Students' knowledge of water-soluble vitamins	2	11
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Choosing meals - Food classification - The four food groups - Nutritional value of .food groups	Students' knowledge of the four food groups	2	12
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 of vegetarian food	2	13
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 of nutritional status assessment	2	14
Theory exams Oral and written Half term And a chapter	Black board PowerPo int Slides Educa tion Electroni c	Assessment of food consumption - Epidemiological research .methods in nutrition	Students' knowledge of food intake assessment	2	15

## 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

- The Semester exam degrees 30
- The Final Exam Degree 70

## 12. 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 "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>1.Course Name :</b>
<b>Professional ethics</b>
<b>2. Course Code :</b>
<b>NTU204</b>
<b>3. semester / Level :</b>
First Semester /Level 2
<b>4. Date Preparation This Description :</b>
4/2/2025
<b>5. forms Attendance Available:</b>
presence
<b>6 . number Hours Academic( Total) /Number Units Total:</b>
30 Theoretical hour / counting units 2
<b>8. 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>
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<b>9. Strategies Education and learning :</b>	
<p>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</p> <p>-Strategy Memorandum - Strategy Conclusion -Strategy PracticeThe spaced Strategy Switch Between Ideas-Example Presentation Strategy</p>	<p><b>Strategies Education</b></p> <p><b>Strategies Learning</b></p>

<b>10. Structure Decision:</b>					
Method Evaluation	Learning method	Name Unit or The subject	Learning Outcomes Required	Hours	weeks
<p>,Reports theoretical exams Oral and written semi-terms And a chapter</p>	<p>Blackboard slides Education PowerPoint Electronic</p>	<p>Professional behavior - definition - concept - practical applications - the relationship between employees and their .managers Principles of professional ethics in the stages of civilizational developments - History of nursing - The beginning of nursing -</p>	<p>Students' awareness of the importance of professional behavior</p>	<p>2</p>	<p>1</p>

		Nursing in different religions Nursing in the early days of - Islam - Arab and Islamic .civilization			
Theory exams Oral and written semi- terms And a chapter	Blackboard slides Education PowerPoint Electronic	Modern nursing - nursing in Iraq - development of the profession - opening schools, institutes and colleges .specializing in nursing Professional ethics and nursing - definition of the profession - rules of ethics - rules of professional ethics - .ethics - morals	Students' knowledge of modern nursing - Nursing in Iraq	2	2
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	The importance of professional ethics - the qualities and ethics that must be present in the nurse - the historical roots of the ethics of the nursing profession - the characteristics of modern nursing. Professional constitutions and their benefits - definition of the law definition of the constitution - of professional ethics - benefits of professional constitutions	To familiarize students with the qualities and ethics that must be present in male and female .nurses	2	3
Theory exams Oral and written, semi- quarterly and quarterly	Black board slides Education PowerPoint Electronic	Nursing Services Rules - Humanity of Nursing - International Council of Nursing Code and Basic Nurse .Responsibility Nurse and relationships - the relationship between the nurse and people - the relationship between the nurse and the practice of the profession - the relationship between the nurse and society - the relationship between the nurse and her staff - the relationship between the nurse and the profession - the relationship between the nurse and the doctor - the relationship .between nurses	Students' knowledge of nursing services rules	2	4

Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Values and their effects on professional practice - Definition of values - Classification of values - Nursing and values - Formation of values - Methods of forming values - The effect of growth on the acquisition of values. Classification of values - theoretical values - economic values - aesthetic values - social values - religious .values - political values	Students' knowledge of values the role of and their effects on professional practice	2	5
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Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Personal and professional values in nursing - Types of values - Personal values of the nurse - Professional values of .the nurse	Students' knowledge of personal and the role of professional values in nursing	2	6
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	2	7
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	2	8
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	2	9
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	2	10

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 hospita	2	11
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 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	Students' awareness of the importance of adhering to the implementation of regulations and instructions	2	12
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Occupational health and safety of hospital workers - Division of hospital workers - Occupational hazards to which the medical group is exposed. Prevention of occupational hazards - Prevention of work hazards and accidents - Prevention of the risks of bacterial and radioactive contamination - Prevention of the risks of infectious .diseases	Students' knowledge o occupational health and safety for hospital workers	2	13
Theory exams Oral and written semi- terms And a chapter	Black board slides Education PowerPoint Electronic	Communication – Communication methods – Direct communication – (individual – group) – Indirect communication – Communication methods – How the nurse communicates with the patient and conveys .the correct health idea	Students' knowledge o communication and communication methods	2	14

		Behavioral treatment of the .patient Receiving and dealing with - the patient - maintaining  Setting appointments for the - required procedure .requirements Preserving the patient's - .needs			
Theory exams Oral and written Half term And a chapter	Black board PowerPo int Slides Educa tion Electroni c	Behavioral handling of medical devices and .equipment Daily review of devices, - .tools and solutions Requirements and their - preparation for daily work, maintenance, preservation Preparing and preservation - the necessary medicines and .disposing of them well Applications in professional .behavior	Students' awareness of the of behavioral importance handling of medical devices and equipment	2	15

## 11. Course Evaluation

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- The semester degrees 30
- The Final Exam Degree 70

## 12. 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(