Ministry of Higher Education and Scientific Research Scientific Supervision and Evaluation Authority Quality Assurance and Academic Accreditation Department Accreditation Section



Academic Program and Course Description Guide 2025

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

Academic Program Specification Form for The Academic Year 2025

University: Northern Technical University Faculty/Institute: Al-dour Technical Institute

Department: Department of Prosthesis

Name of the academic or professional program: Technical Diploma in Prosthesis

Name of the final certificate: Technical Diploma in Prosthesis

Academic system: Curriculum system

File preparation date: 2-2-2025

File filling date: 2-2-2025

Signature

The name of the head of the department Assist. Prof. Dr .Hind Tariq Hamad Date: / /2025

Signature Dean's Assistant For Scientific Affairs Assist. Prof. Dr. Hanan Shahb Ahmad Date: / /2025

Check the file by Quality Assurance and University Performance Division Name of the director of the Quality Assurance and University Performance Division: Lec. Hayder Ali Mohssn

Date: / /2025 Signature 6

Dean's endorsement Assist. Prof. Dr. Maha Elttayef Jasim

Vision

The Department of Prosthetics seeks to meet the needs of patients from prosthetics and supports using high-quality materials and is an effective way to meet the community's need for specialized cadres in supporting various health, research and educational institutions.

Program

The Department of Prosthetics was established according to the community's need for specialized service cadres with scientific specifications and modern technical standards and preparing those cadres to work in various health and research institutions as well as supporting the private sector.

Aims

1- The department aims to graduate technical staff capable of working in the field of artificial limbs, conducting routine examinations, general chemical tests, examining people with needs and working in private workshops.

2- Manufacturing prosthetic limbs and prosthetic supports to meet the needs of the individual so that they can perform daily activities better.

3- Providing psychosocial support to patients with limb loss

Program accreditation

Nothing

Other external influences

Nothing

Program structure

| | | | Strate and States | |
|--------------|------------|------------|----------------------|----------------------------|
| comments * | percentage | Study unit | Number of courses | Program structure |
| Basic course | 20.22% | 18 | 9 | Enterprise requirements |
| | 15.73% | 14 | 5 | College requirements |
| | 64.04% | 57 | 16 | Department requirements |
| | | | Yes | summer training |
| | | | Nothing | Other |

| Program de | escription | level one | | |
|------------|-------------|---|-----------------------|-------------|
| Hours Appr | oved | Name of the course | Code of the course | Year / Leve |
| practical | Theoretical | | | |
| | | level one | | |
| - | 2 | Democracy and human rights | NTU 100 | |
| - | 2 | English Language | NTU 101 | . |
| 1 | 1 | computer | NTU 102 | meste |
| 2 | 2 | Physiology | TIDO 106 | rst sei |
| - | 2 | Medical terminology | TIDO 109 | - Li |
| 3 | 2 | Manufacture prosthesis below knee joint | IPT 110 | st leve |
| 2 | 1 | Anatomy of lower limb | IPT 114 | Fin |
| 2 | 1 | Biomechanics of prosthetics | IPT 112 | |
| · _ | 2 | Arabic Language | NTU 103 | |
| 1 | 1 | Sports | NTU 104 | ster |
| - | 2 | France Language | NTU 105 | eme |
| 2 | 2 | Anatomy | TIDO 107 | s pu |
| - | 2 | Occupational safety | TIDO 108 | seco |
| - | 2 | Locomotors diseases | IPT 113 | el - |
| 3 | 2 | Manufacture prosthesis above knee joint | IPT 111 | irst lev |
| 2 | 1 | Microbiology | IPT 115 | |
| 2 | 1 | Parasitology | IPT 116 | |
| | | | | |

| | | Second Level | | |
|---|---|--|----------|------------|
| - | 2 | crimes of the Baath Party in Iraq | NTU 203 | |
| - | 2 | Biostatics | TIDO 205 | er |
| 6 | 2 | upper limb orthosis manufacturing | IPT 207 | t semest |
| 2 | 1 | Manufacturing of upper limb prosthesis | IPT 209 | the first |
| - | 2 | Locomotors diseases | IPT 210 | d level - |
| - | 2 | properties Materia | IPT 211 | le secon |
| 2 | 1 | Physiotherapy methods | IPT 215 | μL |
| 2 | 1 | Parasites | IPT 216 | |
| - | 2 | English Language | NTU 200 | |
| 1 | 1 | computer | NTU 201 | |
| - | 2 | Arabic Language | NTU 202 | emester |
| - | 2 | Professional ethics | NTU 204 | econd se |
| 6 | 2 | lower limb orthosis manufacturing | IPT 206 | el - the s |
| 2 | 1 | Biomechanics of orthosis | IPT 208 | ond leve |
| 2 | 1 | Anatomy of upper limbs and trunk | IPT 212 | The sec |
| - | 2 | Biomaterials | IPT 213 | |
| 2 | - | Research project | IPT 214 | |

| The expected learning outcomes of the program | |
|--|-----|
| | |
| | |
| A- Knowledge | 1 |
| How to deal with patients with amputated legs | A-1 |
| The ability to manufacture lower and upper limbs | A-2 |
| Identify the various types of Lower limbs | A-3 |
| B- skill | |
| Ability to Interact with people specialized in the field of stem manufacturing. | B 1 |
| Ability to put problems into perspective and find appropriate solutions. | B-2 |
| Proficiency in special die casting and leg carving method | B-3 |
| Efficiency in dealing with patients while fitting the leg | B-4 |
| C- value | |
| Promoting the spirit of cooperation between specialists and working as one team with the same specialty | C-1 |
| The ability to develop oneself and update information in the field of specialization and in the long term | C-2 |
| The optimal use of all possible means to keep pace with the modernity of the specialization | C-3 |
| Integrating learning at the global and local levels to develop appropriate solutions to the problems presentence | C-4 |
| Teaching and learning strategies | |
| Theoretical lectures / discussion and dialogue / practical lectures / field visits / discussion circles / laboratories / office activities / solving examples / graduation project / summer training | |
| Evaluation methods | |
| Oral and written exams/observation and cumulative record | |

| education institution | | | | | | | |
|------------------------------|-------|---|--------------------------------------|--------------------------------------|---------------------------|--|--|
| Faculty members | | | | | | | |
| Preparing the teaching staff | | Special requirements/skill (if any) | s Specializati | Specialization | | | |
| lecturer | angel | | private | general | | | |
| | angel | | Heredity | agriculture | lecturer | | |
| | angel | | Production and minerals | Mechanical Engineering | assistant teacher | | |
| | angel | | physiology | Life sciences | assistant teacher | | |
| lecturer | | | parasites | Life sciences | assistant teacher | | |
| lecturer | | | fractures | Bones and joints | Specialist Physician | | |
| lecturer | | | physiology of bones and joints | physiology of bones and joints | Specialist Physician | | |
| lecturer | | | Prosthetics | Prosthetics | Diploma in Prosthetics | | |
| lecturer | | | Prosthetics | Prosthetics | Diploma in Prosthetics | | |
| Lecturer | | | Prosthetics | Prosthetics | Diploma in Prosthetics | | |
| lecturer | | | Prosthetics | Prosthetics | Diploma in Prosthetics | | |
| | angel | | physiology | Life sciences | assistant teacher | | |

Professional development

Directing new faculty members to follow up on the annual updates of the study plan and the necessity of updating the curricula in a manner consistent with the plan announced by the scientific department.

Professional development for faculty members

Conducting field visits to the public and private sectors and universities within the specialty to review the field development in the field of specialization Involving students in discussions, scientific seminars and training courses

Acceptance standard

The admission criteria for morning study are within the central admission plan, which is approved by the Ministry of Higher Education and Scientific Research.

The most important sources of information about the program

Programs and resources are approved by the sectoral committees and are periodically updated through the annual meetings of the relevant committees.

Program development plan

Using new concepts and modern methods in the manufacture of limbs and supports through the participation of specialized professors in the scientific department in scientific workshops, seminars, and twinning work with rehabilitation hospitals specializing in the manufacture of limbs and supports.

| (quali e (o e per | General fication ther skil mploya sonal do | skills a HTran Ils relat bility a evelopn | nd sferabl ted to nd nent) | E | motion And v | al goal value | s | The | prog obje | ram's ctives | skill | C | ognitivo | e goals | | Essential or optional | Course Code | Course Name | Academic level |
|--------------------------------|--|---|--|----|-----------------|------------------|-----------|-----|--------------|-----------------|-------|----|----------|---------|-----|-----------------------------|-----------------|--|-------------------|
| D4 | D3 | D2 | D1 | C4 | C3 | C2 | C1 | B4 | B 3 | B2 | B 1 | A4 | A3 | A2 | A1 | | | | |
| | | X | X | X | X | X | X | X | X | X | X | | X | X | X | Basic | IPT 110 | Manufacture prosthesis below knee joint | |
| | | X | X | X | X | X | X | X | X | X | X | | X | X | X | Basic | IPT 112 | Biomechanics of prosthetics | |
| | | X | X | X | X | Х | X | X | X | X | X | Х | X | X | N | Basic | IPT 113 | Locomotors Diseases | |
| | | X | X | X | X | X | X | X | X | X | X | | | X | 2 | Basic | TIDO 109 | Medical terminology | |
| | | X | X | X | X | X | X | X | X | X | X | X | X | X | 2 | Basic | IPT 114 | Anatomy of the lower extremities | |
| | | X | X | X | X | X | X | X | X | X | X | | X | X | X | Basic | TIDO 106 | Physiology | |
| | | X | X | X | X | X | X | X | X | X | X | | | Х | 2 | Basic | NTU 101 | English Language | Irst |
| | | X | X | X | X | X | X | X | X | X | X | X | | | X | Basic | NTU 102 | computer | le fi |
| | | X | X | X | X | X | X | X | X | X | X | | | Х | 2 | Basic | NTU 100 | Democracy and human rights | Ē. |
| <u> </u> | | X | | X | X | X | X | X | X | X | X | X | | | X | optional | NTU 104 | Sports | |
| | | X | X | X | X | X | X | X | X | X | X | X | | | 2 | Basic | TIDO 107 | Anatomy |] |
| | | X | X | X | X | X | X | X | X | X | X | | X | | 2 | Basic | TIDO 108 | Safety of laboratories and workshops | |
| <u> </u> | | X | X | X | X | X | X | X | X | X | X | | X | | 2 | Basic | IPT 111 | Manufacture prosthesis above knee joint | |
| | | | | X | X | X | X | X | X | X | X | | X | | 2 | optional | IPT 115 | Microbiology |] |
| | | | X | X | X | X | X | X | X | X | X | | X | | 2 | optional | IPT 116 | Parasites | |
| | | | | X | | X | X | X | X | X | X | | | | 2 | Basic | NTU 103 | Arabic Language | |
| | | | | | | | X | X | X | x | X | | X | X | , | Basic | IPT 207 | Upper limb orthosis Manufacturing | |
| | | | | X | X | X | X | x | X | X | X | | | X | 2 | Basic | IPT 208 | Biomechanics of orthosis | 1 |
| | | | | | | X | X | X | x | x | X | | | X | , | Basic | IPT 209 | Manufacturing of upper limbs prosthesis | 1 |
| | | | | | | | X | X | X | X | X | | | X | , | Basic | IPT 210 | Locomotors Diseases | 1 |
| | | | | | | | X | X | x | X | X | | | X | , | Basic | IPT 211 | Material properties | 1 |
| | | | | | | | X | X | x | X | X | X | X | X | , | Basic | IPT 212 | Anatomy of the upper limbs and trunk | 1 _ |
| | | | | | | | X | X | X | X | X | | | | , | Basic | IPT 214 | Project Research | ouc |
| | | | | | | | X | X | X | X | X | | | | , | Basic | NTU 204 | Professional ethics | Sec |
| | | | | | | | X | X | X | X | X | | X | | , | Basic | NTU 201 | computer | he |
| | | | | | | | | | X | | X | | X | | | Basic | NTU 202 | Arabic Language | |
| | | | | | | | | | | | | x | X | | | Rasic | NTU 203 | The crimes of the Baath regime in Iraq | |
| - | | X | | | | | A V | | | | | | | | | Basic | TIDO 205 | statistics | 1 |
| | | X | | | | | | | | | × × | | Δ | | | Rasic | IPT 206 | Manufacture of orthotics for the lower limbs | 1 |
| - | | X | | | X | | A | | | | | | v | | t i | Rasie | IPT 213 | Biomaterials | 1 |
| | | X | X | X | X | | X | | | | | | A | | | ontional | IPT 215 | Physiotherapy methods | 1 |
| | - | X | <u>X</u> | X | X | | | X | | | | | | | | optional | IPT 216 | Parasitas | 1 |
| 1 | 1 | I X | I X | IX | | 1 X | I X | 1 X | | | A | A | | | 4 | y optional | 11 1 210 | 1 al asites | |

Biomechanics of prosthesis Course Description Form

| 1. Course Name | |
|-------------------------------------|--|
| Biomechanics of prosthesis | |
| 2. Course Code | |
| IPT 112 | |
| 3. Semester / Level | |
| First /first | |
| 4. Description preparation date | |
| 2/2/2025 | |
| 5. Available attendance formats | |
| Presence | |
| 6. Number of Credit Hours (Total) / | Number of Units (Total) |
| 45/3 | |
| 7. Course Objectives | |
| Course Objectives | The ability to master angles and deviations we manufacturing limbs, the ability to put problems perspective and find appropriate solutions, efficiency distributing the stress on the amputated limb. |
| 8. Teaching and Learning Strategies | |
| Adequate explanation of the c | course |

- Daily Tests
- Student groups

| 9. C | ourse St | ructure | | | and the second second |
|------|----------|-----------------------------------|---|---------------------------|-----------------------|
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method |
| 1 | 3 | Terminology of biomechanics | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 2 | 3 | Study of force and its component. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 3 | 3 | Static and dynamic equilibrium. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 4 | 3 | Gait analysis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |

| 5 | 3 | Relation ship between gait and force for B.K prosthesis. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
|-----|--|--|---|---------------------------|-------|--|--|--|
| 6 | 3 | Relation ship between gait and force for B.K prosthesis. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 7 | 3 | Force distribution on symes prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 8 | 3 | design the symes prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 9 | 3 | Exam | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 10 | 3 | Alignment of symes prosthesis, the type of windows in the socket | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 11 | 3 | Biomechanics of T.K prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 12 | 3 | Alignment and force distribution of T.K prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 13 | 3 | Alignment and force distribution of T.K prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 14 | 3 | Biomechanics of A.k Prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 15 | 3 | Check out of A.K and T.K prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 10. | Course E | valuation | | | | | | |
| | Daily, monthly and final exams as well as weekly reports | | | | | | | |
| 11. | 11. Learning and Teaching Resources | | | | | | | |
| | Textbooks | | | | | | | |
| | Main references | | | | | | | |
| | Scientific resources within the Internet | | | | | | | |

English language Course Description Form

| 1. Cou | irse Nam | e | | | |
|-----------|------------|--|--|--|---|
| English | languag | e | | | |
| 2. Cou | irse Code | 9 | | | |
| NTU 10 |)1 | | | | |
| 3. Sem | nester / I | Level | | | |
| First /fi | rst | | | | |
| 4. Des | cription | preparation date | | | and the second |
| 2/2/202 | 5 | | | | |
| 5. Ava | ilable at | tendance formats | | | |
| Presenc | e | | | | |
| 6. Nur | nber of (| Credit Hours (Total) / Numbe | er of Units (Total) | | |
| 30 / 2 | | | | | |
| 7. Cou | irse Obje | ectives | | | |
| Course | Objectiv | res 1- The primary the basics of th conversations a information three | goal of studying the English language e English language and its general ru nd to quote medical phrases, to be com ough the student's proficiency in the la | e is to become f les, to know the petent in accessi nguage. | amiliar with methods of ng the latest |
| 8. Tead | ching and | d Learning Strategies | | | |
| • | Adequat | e explanation of the course | | | |
| • | Daily Te | ests | | | |
| • | Student | groups | | | |
| 9. Co | ourse Str | ucture | | | |
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method |
| 1 | 2 | Definition of basic English terms | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 2 | 2 | English Language How many units are three in English | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 3 | 2 | The eight parts of speech | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 4 | 2 | Parts of speech2 | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 5 | 2 | Conversation | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 6 | 2 | Department of prosthetics and ambulance | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |

| 7 | 2 | Verb to be 1 | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
|-------|-----------|------------------------------|---|-----------|-------|
| 8 | 2 | Verb to be 2 | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 9 | 2 | Prepositions1 | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 10 | 2 | Preposition 2 | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 11 | 2 | Punctuation marks | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 12 | 2 | Simple past tense | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 13 | 2 | Simple past continuous tense | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 14 | 2 | Past perfect tense | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 15 | 2 | Sentence types | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 10. 0 | Course E | Evaluation | | | |
| Daily | , month | ly and final exams as we | ell as weekly reports | | |
| 11. I | Learning | g and Teaching Resource | 2S | | |
| Text | ooks | | | | |
| Main | referen | ces | | | |
| Scien | tific res | ources within the Intern | et | | |

Parasites Course Description Form

| 1. Course N | Vame | | | | | | | |
|--|--|---|--|-----------------------------|------------|--|--|--|
| Parasites | Parasites | | | | | | | |
| 2. Course C | 2. Course Code | | | | | | | |
| IPT116 | | | | | | | | |
| 3. Semester | r /Leve | 1 | | | | | | |
| Second /First | st | | | | | | | |
| 4. Descript | ion prepa | aration date | | | | | | |
| 2/2/2025 | | | | | | | | |
| 5. Availabl | e attenda | ince formats | | | | | | |
| Attendance | on a wee | kly basis | | | | | | |
| 6. Number | of Credi | t Hours (College) / Ni | umber of Units (College) | | | | | |
| 45 / 3 | | | | | | | | |
| 7. Course a | dministr | ator name | | | | | | |
| | | | | | | | | |
| 8. Course (| Objective | S . | | • |) 1 1 0 | | | |
| Course Obj | Course Objectives Introducing the student toprimary parasites (protozoa), methods of diagnosis and the diseases they cause, and familiarity with their epidemiological information, which helps to prevent and eradicated the prevailing parasitic diseases | | | | | | | |
| 9. Teaching | g and Lea | rning Strategies | | | | | | |
| Daily Stud Field | y Tests ent grouj d visits | ps | | | | | | |
| 10. Course | Structur | re | | Attendance | Evaluation | | | |
| Week | Hours | Subject | Learning method | Forms | method | | | |
| First | 3 | Introduction to parasites | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | | | |
| Second | 3 | Classification of parasites | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | | | |
| Third | 3 | Host and its types | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | | | |
| Fourth | 3 | Classification of protozoans and their specifications | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | | | |

| Fifth | 3 | Roots | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
|------------|---|---|--|-----------------------------|-------|
| Sixth | 3 | Antamoeba: form, pathogenesis and diagnostic methods | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Seventh | 3 | Flagella | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eighth | 3 | Giardiasis - Trichomonas: form, pathogenesis and diagnostic methods | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Ninth | 3 | Leishmaniasis: form, pathogenesis and diagnostic methods | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Tenth | 3 | Trypanosoma: form, pathogenesis and diagnostic methods | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eleventh | 3 | Ciliary | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Twelfth | 3 | Plantidium: form, pathogenesis and diagnostic methods | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Thirteenth | 3 | Spores | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fourteenth | 3 | Plasmodium: form, pathogenesis and diagnostic methods | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |

| Fifteenth | 3 | Toxoplasma: form, pathogenesis and diagnostic methods | Explanation of the lec the presence of n illustration and application | cture with neans of practical | Classroom and laboratory | Exams | |
|---------------|--|--|--|-------------------------------------|-----------------------------|-------|--|
| 11. Course | Evaluat | tion | | | | | |
| Daily, mont | hly and | final exams as well as | weekly reports | | | | |
| 12. Learni | ng and T | eaching Resources | | | | | |
| Textbooks | | | | | | | |
| Main referen | nces | | | | | | |
| Scientific re | search | | | | | | |
| Scientific re | Scientific resources within the Internet | | | | | | |

Microbiology Course Description Form

| 1. Course | Name | | | | | | |
|---|---|--|--|-----------------------------|-------------------|--|--|
| Microbiolog | ду | | | | | | |
| 2. Course | 2. Course Code | | | | | | |
| IPT115 | | | | | | | |
| 3. Semeste | er/Level | | | | | | |
| Second / F | irst | | | | | | |
| 4. Descrip | tion prep | paration date | | | | | |
| 2/2/2025 | | | | | | | |
| 5. Availab | le attend | lance formats | | | | | |
| Attendance | on a we | ekly basis | | | | | |
| 6. Number | of Cred | it Hours (Total) / Number of Ur | nits (Total) | | | | |
| 45/3 | | | | | | | |
| 7. Course | Objectiv | es | | | | | |
| Course Objectives | | | bacteriology, classification of bacteria, bacterial cell structure and mode of operation, bacterial growth and methods of estimation and factors affecting it, metabolism, genetics and the biological and economic importance of bacteria. | | | | |
| 8. Teachin | g and Le | earning Strategies | | | | | |
| Ade Dai Stud Fiel Successful Action | equate ex ly Tests dent grou d visits e Structu | ups | | | | | |
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method | | |
| First | 3 | Introduction to Microbiology | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | | |
| Second | 3 | The structure and shape of bacteria, the classification of bacteria, the chemical composition and secondary structure of the bacterial cell. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | | |

| Third | 3 | Physiology of bacteria, growth requirements, types of nutrition and factors affecting growth. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
|------------|---|---|--|-----------------------------|-------|
| Fourth | 3 | Sterilization and disinfection . Classification of sterilization, physical and chemical methods. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fifth | 3 | Tools, equipment and devices used in the diagnosis of bacteria | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Sixth | 3 | Infections, sources of infection, virulence, toxins and enzymes related to bacteria | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Seventh | 3 | Cultivation media and their types | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eighth | 3 | Chemical tests for the detection of bacteria | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Ninth | 3 | Anaerobic bacteria | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Tenth | 3 | Clostridium | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eleventh | 3 | Aerobic bacteria | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Twelfth | 3 | staphylococcus, general characteristics, toxin production, enzyme, immunomodulator, Allergy test. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Thirteenth | 3 | streptococci, general characteristics, toxin production, enzyme, immunomodulator, Allergy test. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fourteenth | 3 | Bacilli (Anthrax), general characteristics, toxin production, enzyme, immunomodulatory, allergy test. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |

| Fifteenth | 3 | Bordetella and Haemophilus, general characteristics, toxin production, enzyme, immunomodulatory, allergy test. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | | |
|--|----------|--|--|--------------------------|-------|--|--|
| 10. Cours | se Evalu | ation | | | | | |
| Daily, mon | thly and | I final exams as well as weekly r | eports | | | | |
| 11. Learn | ing and | Teaching Resources | | | | | |
| Textbooks | | | | | | | |
| Main refer | ences | | | | | | |
| Scientific r | research | | | | | | |
| Scientific resources within the Internet | | | | | | | |
| L | | | | | | | |

Manufacture prosthesis below knee joint Course Description Form

| 1. Co | urse Nar | ne | | | |
|---------------------|---------------|------------------------------|--|---------------------|--------------|
| Manuf | acture pr | osthesis below knee joint | | | 1 |
| 2. CO | urse Coc | le | | | |
| $\frac{1P1}{2}$ Sor | 0 nostor / | Loval | | | |
| J. Sel | first | Level | | | |
| A De | scription | preparation date | | | |
| 4. De | 25 | preparation date | | | |
| $5 \Delta v$ | ailable a | ttendance formats | | | |
| Dresen | | | | -6 | |
| 6 Nu | mber of | Credit Hours (Total) / Num | per of Units (Total) | | |
| 75/5 | | create mours (notal) / num | | | |
| 7 Co | urse Obi | ectives | | | |
| Course | Objecti | ves Ti | he ability to understand the basic fo | undations and r | rinciples of |
| | s sjoon | de | signing and manufacturing lower limb | s, the ability to r | ut problems |
| | | in | to perspective and find appropriate so | olutions, directing | students to |
| | | ur | derstand the physiological and technic | al factors affectin | g the design |
| | | ar | d manufacture of lower limbs to er | nsure compatibili | ty with the |
| | | hu | ıman body. | • | |
| 8. Tea | ching an | d Learning Strategies | | | |
| • | Adequa | te explanation of the course | | | |
| • | Daily T | ests | | | |
| • | Student | groups | | | |
| | | | | | |
| 9. C | ourse St | ructure | 1 | | |
| Week | Hours | Subject | Learning method | Attendance | Evaluation |
| | | | Evaluation of the lecture with the | FOIIIIS | method |
| 1 | 5 | Prosthatia Manufacturing | Explanation of the fecture with the | Classroom | Exams |
| 1 | 3 | Prostnetic Manufacturing | presence of means of industration | and Workshop | Linuins |
| | | Sector Decision | | Cl | |
| | - | Socket Design | Explanation of the lecture with the | Classroom | Evame |
| 2 | 5 | | presence of means of illustration | and workshop | L'Addits |
| | | | and practical application | | |
| | - | Static and dynamic | Explanation of the lecture with the | Classroom | Evomo |
| 3 | 5 | equilibrium. | presence of means of illustration | and Workshop | Exams |
| | | | and practical application | | |
| | | Component Selection | Explanation of the lecture with the | Classroom | F |
| 4 | 5 | | presence of means of illustration | and Workshop | Exams |
| | | | and practical application | | |
| | | Alignment | Explanation of the lecture with the | Classroom | - |
| 5 | 5 | | presence of means of illustration | and Workshop | Exams |
| | | | and practical application | | |
| | | Socket Fabrication. | Explanation of the lecture with the | Classroom | |
| 6 | 5 | | presence of means of illustration | and Workshop | Exams |
| | | | and practical application | | |

| 7 | 5 | Suspension Systems | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
|-------|-----------|--|---|---------------------------|-------|
| 8 | 5 | design the symes prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 9 | 5 | Exam | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 10 | 5 | Prosthetic Foot Design | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 11 | 5 | Biomechanics of T.K prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 12 | 5 | Gait Training | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 13 | 5 | Alignment and force distribution of T.K prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 14 | 5 | Biomechanics of A.k Prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 15 | 5 | Check out of A.K and T.K prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 10. | Course E | valuation | | | |
| Daily | , monthly | and final exams as well as | weekly reports | | |
| 11. 1 | Learning | and Teaching Resources | | | |
| Т | extbooks | 3 | | | |
| Ν | lain refe | rences | | | |
| S | cientific | resources within the Interne | t | | |

Anatomy Course Description Form

| | Name | | | | |
|---|---------------|---|--|--|--|
| Anatomy | Cada | | | | |
| Z. Course | Code | | | | |
| 3 Semest | er/Leve | | | | |
| Second /Fi | rst | L. | | | |
| 4. Descrip | otion pre | paration date | | | |
| 2025/2/2 | | | | | |
| 5. Availa | ble atten | dance formats | | | |
| Attendance | e on a w | eekly basis | | | |
| 6. Numbe | er of Cre | dit Hours (Total) / Numb | er of Units (Total) | | |
| 60 / 4 | | | <u> </u> | | |
| 7. Course | admini | strator name | | | |
| | | | | | |
| 8. Course | Objecti | ves | 1 | | |
| Course Ol | ojective | 5 | • The student's knowledge | of the anatomy o | fthe |
| | | | human body and organs, a | as well as knowle | edge |
| | | | of the relationship betwee | en them. | |
| 0 7 11 | | | | | |
| 9. Teachir | ig and L | earning Strategies | | | |
| • Ad | equate e | xplanation of the course | | | |
| • Dai | ily Tests | | | | |
| • Stu | dent gro | ups | | | |
| • Fie | ld visits | | | | |
| 10 0 | <u> </u> | | | | |
| 10. Cours | se Struct | ure | [| - | |
| Week | Hours | | | Attandance | Evaluation |
| | | Subject | Learning method | Attendance Forms | Evaluation method |
| D . | | Subject Anatomical trends and | Learning method Explanation of the lecture with the | Attendance Forms | Evaluation method |
| First | 4 | Subject Anatomical trends and body surfaces | Learning method Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom and laboratory | Evaluation method |
| First | 4 | Subject Anatomical trends and body surfaces | Learning method Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory | Evaluation method Exams |
| First | 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom and laboratory Classroom and | Evaluation method Exams |
| First | 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, its location according to | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory | Evaluation method Exams |
| First Second | 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, its location according to the chest wall and the | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams |
| First Second | 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, its location according to the chest wall and the number of shades | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams |
| First | 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, its location according to the chest wall and the number of shades Anatomy of the lungs | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams |
| First | 4 4 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, its location according to the chest wall and the number of shades Anatomy of the lungs, its location according to | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom and laboratory Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams |
| First Second Third | 4 4 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, its location according to the chest wall and the number of shades Anatomy of the lungs, its location according to the chest wall and the number of shades | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams |
| First Second Third | 4 4 4 | SubjectAnatomical trends and body surfacesAnatomy of the heart, its location according to the chest wall and the number of shadesAnatomy of the lungs, its location according to the chest wall and the number of ribs | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams |
| First Second Third | 4 4 4 4 | SubjectAnatomical trends and body surfacesAnatomy of the heart, its location according to the chest wall and the number of shadesAnatomy of the lungs, its location according to the chest wall and the number of ribsAbdominal anatomy and | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams Exams |
| First Second Third Fourth | 4 4 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, its location according to the chest wall and the number of shades Anatomy of the lungs, its location according to the chest wall and the number of ribs Abdominal anatomy and dividing the abdomen | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams Exams |
| First Second Third Fourth | 4 4 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, its location according to the chest wall and the number of shades Anatomy of the lungs, its location according to the chest wall and the number of ribs Abdominal anatomy and dividing the abdomen vertically and horizontally | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams Exams |
| First Second Third Fourth | 4 4 4 4 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, its location according to the chest wall and the number of shades Anatomy of the lungs, its location according to the chest wall and the number of ribs Abdominal anatomy and dividing the abdomen vertically and horizontally | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams Exams |
| First Second Third Fourth | 4 4 4 4 4 4 4 | Subject Anatomical trends and body surfaces Anatomy of the heart, its location according to the chest wall and the number of shades Anatomy of the lungs, its location according to the chest wall and the number of ribs Abdominal anatomy and dividing the abdomen vertically and horizontally Anatomy of the stomach - its sections and its | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory Classroom and laboratory Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams Exams |
| First Second Third Fourth Fifth | 4 4 4 4 4 4 4 | SubjectAnatomical trends and body surfacesAnatomy of the heart, its location according to the chest wall and the number of shadesAnatomy of the lungs, its location according to the chest wall and the number of ribsAbdominal anatomy and dividing the abdomen vertically and horizontallyAnatomy of the stomach - its sections and its relationship to other | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and laboratory Classroom and laboratory Classroom and laboratory Classroom and laboratory Classroom and laboratory | Evaluation method Exams Exams Exams Exams |

| Sixth | 4 | Anatomy of the liver and spleen and their location according to bodily surfaces | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
|---|----------|---|---|-----------------------------|-------|
| Seventh | 4 | Anatomy of the small intestine and its relationship to other organs in the abdominal cavity | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eighth | 4 | Anatomy of the cecum and its location within the abdominal cavity | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Ninth | 4 | Bile cyst anatomy and location | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Tenth | 4 | Anatomy of the uterus and its location within the pelvic cavity | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eleventh | 4 | Skeleton, Skull and Spine | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Twelfth | 4 | Shoulder bones, plank and collarbone | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Thirteenth | 4 | Forearm bone and parts | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fourteenth | 4 | Hand and thigh bones | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fifteenth | 4 | Pelvic bones and lower limbs | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 11. Cours | se Evalu | ation | | | |
| Daily, mor | nthly an | d final exams as well as w | weekly reports | | |
| 12. Learn | ning and | Teaching Resources | | | |
| Textbooks Main refer | ences | | | | |
| Scientific | research | | | | |
| Scientific | resource | es within the Internet | | | |
| - ~ ~ · · · · · · · · · · · · · · · · · | | | | | |

Anatomy of lower limb Course Description Form

| 1. Course | e Name | | | | | |
|--|---|--|--|-----------------------------|------------|--|
| Anatomy | oflower | limb | | | | |
| 2. Cours | e Code | | | | | |
| IPT 114 | | | | | | |
| 3. Semes | ster / Lev | vel | | | | |
| First seme | ester/first | level | | | | |
| 4. Descr | iption pro | eparation date | | | | |
| 2/2/2025 | | | | | | |
| 5. Availa | able atter | ndance formats | | | | |
| First seme | ester/first | tlevel | | | | |
| 6. Numb | er of Cre | edit Hours (Total) / Number o | of Units (Total) | | | |
| 30 practic | al hours | + 15 theoretical hours / numb | ber of units 3 | | | |
| 7. Cours | e Objecti | ives | | <u> </u> | 41 | |
| Course U | • The ability to master angles and deviations when manufacturing links, the ability to put problems into perspective and find appropriate solutions, the ability to use modern means to reach appropriate therapeutic methods, and efficiency in distributing the stress on the amputated limb. | | | | | |
| 8 Teach | ing and I | earning Strategies | | | | |
| A D St | dequate e aily Tests udent gro | explanation of the course s oups | | | | |
| 9. Cou | rse Struc | ture | | Attendance | Evaluation | |
| Week | Hours | Subject | Learning method | Forms | method | |
| First | 3 | Introduction in anatomy and term of anatomy | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | |
| Second | 3 | Classify of bone and kind of bone | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | |
| Third | 3 | Bone of Lower extremity- pelvic bone | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | |
| | | | Explanation of the lecture | | | |

| Fifth | 3 | Bone of Tibia , Fibula | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
|-----------|-----|---|--|-----------------------------|-------|
| Sixth | 3 | Bones of Foot | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Seventh | 3 | Introduction in Muscular system | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eighth | 3 | The kind of muscles | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Ninth | 3 | The muscles of anterior border of pelvic reign (origin, insertion and action) | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Tenth | 3 | The muscles of posterior border of pelvic reign (origin, insertion and action) | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eleventh | 3 | The muscles of Iliac border of pelvic reign (origin, insertion and action) | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Twelfth | 3 | The muscles of the anterior border of Thigh reign (origin, insertion and action) | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Thirteent | 1 3 | The muscles of posterior border of Thigh reign (origin, insertion and action) | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |

| 3 | The muscles of medial & lateral border of Thigh reign (origin, insertion and action) | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams | | | |
|--|---|--|---|---|--|--|--|
| 3 | Exam | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory and laboratory | Exams | | | |
| se Eval | uation | | | | | | |
| nthly an | d final exams as well as wee | kly reports | | | | | |
| ning and | d Teaching Resources | | | | | | |
| 5 | | | | | | | |
| rences | | | | | | | |
| ences | · · · · · · · · · · · · | | | | | | |
| Scientific resources within the Internet | | | | | | | |
| | 3 3 se Evaluation 11 thly art 11 ing and 12 ences resourc | The muscles of medial & lateral border of Thigh reign (origin, insertion and action) Exam 3 Exam 3 se Evaluation nthly and final exams as well as wee ning and Teaching Resources ences | 3The muscles of medial & lateral border of Thigh reign (origin, insertion and action)Explanation of the lecture with the presence of means of illustration and practical application3ExamExplanation of the lecture with the presence of means of illustration and practical application3ExamExplanation of the lecture with the presence of means of illustration and practical application3ExamExplanation of the lecture with the presence of means of illustration and practical application3ExamExplanation of the lecture with the presence of means of illustration and practical application3encesencesencesencesresources within the Internetences | 3The muscles of medial & lateral border of Thigh reign (origin, insertion and action)Explanation of the lecture with the presence of means of illustration and practical applicationClassroom and laboratory3ExamExplanation of the lecture with the presence of means of illustration and practical applicationClassroom and laboratory and laboratory and laboratory3ExamExplanation of the lecture with the presence of means of illustration and practical applicationClassroom and laboratory and laboratory and laboratory3ExamExplanation of the lecture with the presence of means of illustration and practical applicationClassroom and laboratory and laboratory3ExamExplanation of the lecture with the presence of means of illustration and practical applicationClassroom and laboratory and laboratory3ExamExplanation of the lecture with the presence of means of illustration and practical applicationClassroom and laboratory3ExamExplanation of the presence of means of | | | |

Locomotors Diseases Course Description Form

| 1. Course | 1. Course Name | | | | | | |
|---|---|--|---|---|---|--|--|
| Locomotors Diseases | | | | | | | |
| 2. Course | Code | | | | | | |
| IPT 113 | 1. | • | | | | | |
| 3. Semeste | er / Leve | | | | | | |
| second seme | ester/first | level | | | | | |
| 4. Descrip | tion prep | baration date | | | | | |
| 2/2/2025 | le ettend | au as formato | | | | | |
| 5. Availab | le attend | ance formats | | | | | |
| 6 Number | ofCrad | it Hours (Total) / Num | har of Units (Total) | | | | |
| 30/2 | orcieu | It Hours (Total) / Nullin | ber of Office (Total) | | | | |
| 7 Course | Objectiv | AC | | | | | |
| Course Ob | jectives | The ability to intera problems into persp to reach appropriate limbs and not others | ct with people in several fields within one ective and find appropriate solutions, the a e treatment methods, and distinguish betw s by diagnosing them accurately | specialty, the ability to use m ween diseases i | ability to put odern means related to the | | |
| 8. Teachin | g and Le | arning Strategies | | | | | |
| AdeDailStud | equate ex ly Tests dent grou | planation of the course | | | | | |
| 9. Cours | e Structu | re | | | | | |
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method | | |
| First | 2 | Introduction in orthopedic | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | |
| Second | 2 | Glossary terminology ;[orthopeadic med. Terms] | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | |
| Third | 2Clinical methods & approached. History , investigations & examination.Explanation of the lecture with the presence of means of illustration and practical applicationClassroom Exams | | | | | | |
| Fourth | 2 | Clinical methods & approached. History , Investigations & examination. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | |
| Fifth | 2 | Deformities :general causes / A cqwired &congenital | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | |

| Sixth | 2 | Cont. :common deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
|--------------|----------|--|---|-----------|-------|
| Seventh | 2 | Arthritis : acute &chronic : definition , clinical exam | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Eighth | 2 | Arthritis :clinical features ; diagnoses & management | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Ninth | 2 | Arthritis : RA, OA, infective & gout | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Tenth | 2 | Bone tumors : Benign& malignant | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Eleventh | 2 | Introduction in neurological disease , locomotors disorders | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Twelfth | 2 | Cerebral palsy | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Thirteenth | 2 | Fractures : complication | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fourteenth | 2 | Uses of orthosis in soft tissue dis & injuries | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fifteenth | 2 | Revision | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 10. Cours | e Evalua | ation | | | |
| Daily, mon | thly and | final exams as well as | weekly reports | | |
| 11. Learn | ing and | Teaching Resources | | | |
| Textbooks | | | | | |
| Main refere | ences | | | | |
| Scientific r | esources | s within the Internet | | | |
| | | | | | |

Manufacture prosthesis above knee joint Course Description Form

| I. Cou | urse Nan | ne | | | | | | | | | |
|--------------------------------------|--|--|---|---|---|--|--|--|--|--|--|
| Manufa | acture pr | osthesis above knee joint | | | | | | | | | |
| 2. Cou | urse Cod | e | | | | | | | | | |
| IPT 11 | 1 | | | | | | | | | | |
| 3. Sen | nester / | Level | | | a and a second | | | | | | |
| 2/2/202 | 25 | | | | | | | | | | |
| 4. Des | scription | preparation date | | | | | | | | | |
| Second | semeste | r/first level | | | | | | | | | |
| 5. Ava | ailable at | tendance formats | | | | | | | | | |
| Presence | ce | | | | | | | | | | |
| 6. Nui | mber of | Credit Hours (Total) / Number of Unit | s (Total) | | | | | | | | |
| 75 / 5 | | | | | | | | | | | |
| 7. Cou | urse Obje | ectives | | | | | | | | | |
| Course | Objectiv | ves | The ability to understand the | he basic tound | tations and | | | | | | |
| | | | principles of designing and n | hanutacturing I | imbs above | | | | | | |
| | | | the knee, the ability to put pro | blems into pers | spective and | | | | | | |
| | | | find appropriate solutions, | all and tashni | and factors | | | | | | |
| | | | offecting the design and man | ufacture of upr | er limbs to | | | | | | |
| | | | ane compatibility with the l | unaeture or upp | | | | | | | |
| 9 Too | ahing on | d Learning Strategies | ensure compationity with the l | iuman body | | | | | | | |
| 0. TCa | | to explanation of the course | | | 8. Teaching and Learning Strategies | | | | | | |
| • Adequate explanation of the course | | | | | | | | | | | |
| | Delly T | e explanation of the course | | | | | | | | | |
| • | Daily T | ests | | | | | | | | | |
| • | Daily To Student | ests groups | | | | | | | | | |
| • 9. C | Daily To Student | ests groups ructure | | | | | | | | | |
| 9. C | Daily To Student | ests groups ructure Subject | Learning method | Attendance | Evaluation | | | | | | |
| 9. C Week | Daily To Student ourse Str Hours | ests groups ructure Subject | Learning method | Attendance Forms | Evaluation method | | | | | | |
| 9. C Week | Daily To Student ourse Str Hours | ructure Subject Prosthetic Socket: The component of | Learning method Explanation of the lecture with the presence of means of | Attendance Forms Classroom | Evaluation method | | | | | | |
| 9. C Week | Daily To Student ourse Stu Hours | ructure Prosthetic Socket: The component of the above-knee prosthesis that | Learning method Explanation of the lecture with the presence of means of illustration and practical | Attendance Forms Classroom and | Evaluation method Exams | | | | | | |
| 9. C Week | Daily To Student Ourse Str Hours | ructure Prosthetic Socket: The component of the above-knee prosthesis that interfaces with the residual limb | Learning method Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop | Evaluation method Exams | | | | | | |
| 9. C Week | Daily To Student ourse Str Hours 5 | ests groups ructure Prosthetic Socket: The component of the above-knee prosthesis that interfaces with the residual limb Suspension System: The mechanism | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with | Attendance Forms Classroom and Workshop Classroom | Evaluation method Exams | | | | | | |
| 9. C Week | Daily To Student Ourse Str Hours | ructure Prosthetic Socket: The component of the above-knee prosthesis that interfaces with the residual limb Suspension System: The mechanism used to secure the prosthetic limb to | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of | Attendance Forms Classroom and Workshop Classroom and | Evaluation method Exams Exams | | | | | | |
| 9. C Week 1 | Daily To Student Ourse Str Hours 5 | ructure Prosthetic Socket: The component of the above-knee prosthesis that interfaces with the residual limb Suspension System: The mechanism used to secure the prosthetic limb to the residual limb, ensuring proper fit | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical | Attendance Forms Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams | | | | | | |
| 9. C Week 1 | Daily To Student ourse Str Hours 5 | Prosthetic Socket: The component of the residual limb Subject Prosthetic Socket: The component of the above-knee prosthesis that interfaces with the residual limb Suspension System: The mechanism used to secure the prosthetic limb to the residual limb, ensuring proper fit and function | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams | | | | | | |
| 9. C Week 1 | Daily To Student Ourse Str Hours 5 | Prosthetic Socket: The component of the above-knee prosthesis that interfaces with the residual limb Suspension System: The mechanism used to secure the prosthetic limb to the residual limb, ensuring proper fit and function Prosthetic Knee Joint: The artificial | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom | Evaluation method Exams Exams | | | | | | |
| 9. C Week 1 2 | Daily To Student Hours 5 5 5 | Prosthetic Socket: The component of the above-knee prosthesis that interfaces with the residual limb Suspension System: The mechanism used to secure the prosthetic limb to the residual limb, ensuring proper fit and function Prosthetic Knee Joint: The artificial joint component of the above-knee | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and | Evaluation method Exams Exams | | | | | | |
| 9. C Week 1 2 3 | Daily To Student Ourse Str Hours 5 5 5 | Prosthetic Socket: The component of the above-knee prosthesis that interfaces with the residual limb Suspension System: The mechanism used to secure the prosthetic limb to the residual limb, ensuring proper fit and function Prosthetic Knee Joint: The artificial joint component of the above-knee prosthesis that mimics the function of the knee | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams | | | | | | |
| 9. C Week 1 2 3 | Daily To Student Ourse Str Hours 5 5 5 | Prosthetic Knee Joint: The artificial joint component of the above-knee prosthetic limb to the residual limb | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams Exams | | | | | | |
| 9. C Week 1 2 3 | Daily To Student Hours 5 5 5 | Prosthetic Knee Joint: The artificial joint component of the above-knee prosthetic limb to the residual limb to the residual limb. | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams Exams | | | | | | |
| 9. C Week 1 2 3 4 | Daily To Student Ourse Str Hours 5 5 5 5 5 | ests groups ructure Prosthetic Socket: The component of the above-knee prosthesis that interfaces with the residual limb Suspension System: The mechanism used to secure the prosthetic limb to the residual limb, ensuring proper fit and function Prosthetic Knee Joint: The artificial joint component of the above-knee prosthesis that mimics the function of the knee. Prosthetic Foot: The artificial foot component of the above-knee prosthesis, which provides support and | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams Exams | | | | | | |

Alignment: The process of ensuring

correctly aligned to optimize function

that the prosthetic components are

and comfort

5

5

Explanation of the lecture with

the presence of means of

illustration and practical

application

Classroom

and

Workshop

Exams

| 6 | 5 | Component Selection: Choosing the appropriate materials and components | Explanation of the lecture with the presence of means of | Classroom and | Exams |
|----|---|--|--|--------------------------------|-------|
| | | for constructing above-knee prosthetics | application | worksnop | |
| 7 | 5 | Fabrication Techniques: Methods used to manufacture above-knee prosthetic components, such as casting and machining. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 8 | 5 | design the system prosthesis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 9 | 5 | Exam | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 10 | 5 | Gait Training: Teaching patients how to walk with their above-knee prosthetics effectively and safely | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 11 | 5 | Above-Knee Prosthetics: Artificial limbs designed to replace limbs lost above the knee due to various conditions or injuries | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 12 | 5 | Amputation: The surgical removal of a limb, often necessary due to trauma, vascular disease, or cancer. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 13 | 5 | Residual Limb: The remaining portion of a limb after amputation, which serves as the interface with the prosthetic device. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 14 | 5 | Prosthetic Socket: The component of the above-knee prosthesis that interfaces with the residual limb, providing support and attachment. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 15 | 5 | Check out of A.K and T.K prosthesis. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |

| 10. Course Evaluation |
|--|
| Daily, monthly and final exams as well as weekly reports |
| 11. Learning and Teaching Resources |
| Textbooks |
| Main references |
| Scientific resources within the Internet |

Computer Course Description Form

| Computer | |
|---|---------|
| 2. Course Code | |
| NTU102 | |
| 3. Semester / Level | |
| First / First | |
| 4. Description preparation date | |
| 2025/2/2 | |
| 5. Available attendance formats | |
| Attendance on a weekly basis | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| 2/30 | |
| 7. Course Objectives | |
| • The student is familiar with the different | |
| computer applications and can distinguish | |
| between the types of software that can be | |
| dealt with | |
| | |
| 8. Teaching and Learning Strategies | |
| • Adequate explanation of the course | |
| • Daily Tests | |
| Student groups | |
| | |
| 9. Course Structure | |
| Week Hours Subject Learning method Forms method | on 1 |
| The concept of networks and Explanation of the lecture | |
| First 2 their types - the concept of the with the presence of means Classroom Exams | |
| Internet and its operation of illustration and practical and laboratory | |
| 2 Description of the home screen Explanation of the leature | |
| and its components with the presence of means Classroom | |
| Second -How to connect to the World of illustration and practical and laboratory | |
| Wide Web application | |
| 2 How to take advantage of Explanation of the lecture | |
| Third popular search engines such as with the presence of means Classroom Exams | |
| Google of illustration and practical and laboratory | |
| 2 Learn how to search for Explanation of the lecture | |

with the presence of means

of illustration and practical

application

Explanation of the lecture

with the presence of means

of illustration and practical

application

Classroom

and laboratory

Classroom

and laboratory

Exams

Exams

information and how to access it

Excel program to identify the

concept of the program -

benefits - specifications,

features and methods of

operation

Fourth

Fifth

2

| Sixth | 2 | Learn about the home screen and its components and contain various menus and active tools | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
|------------|----------|---|--|-----------------------------|-------|
| Seventh | 2 | The concept of the cell - the types of basic data and how to enter it | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eighth | 2 | How to save a work page - Close the program and close the file | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Ninth | 2 | Using some functions provided by the program such as count, SQRT, Ave, sum, Min, Max and other relevant useful statistical functions | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Tenth | 2 | Learn about the editing process provided by the software and | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eleventh | 2 | How to copy data or transfer data and learn about the concept of copying calculations as well as the concept of relative cells and absolute cells | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Twelfth | 2 | Control cell width – change its style and theme through the use of formatting tools | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Thirteenth | 2 | Word program to identify the concept of the program - its benefits - specifications, features and methods of operation | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fourteenth | 2 | Various Word applications | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fifteenth | 2 | SPSS Statistical Program - Program Concept and Operation | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 10. Cour | se Evalu | uation | | | |
| Daily, mo | nthly an | d final exams as well as weekly | reports | | |
| 11. Lear | ning and | Teaching Resources | | | |
| Textbooks | 5 | | | | |
| Main refer | rences | | | | |
| Scientific | resource | es within the Internet | | | |

Human Rights and Democracy Course Description Form

| 1. Cou | urse Nam | ie | | | | | |
|----------------|------------|---|--|-------------------------------------|---------------------------------|--|--|
| Human | Rights a | and Democracy | | | | | |
| 2. Course Code | | | | | | | |
| NTU 1 | 00 | | | | | | |
| 3. Sen | nester /] | Level | | | | | |
| First /F | irst | | | | | | |
| 4. Des | scription | preparation date | | | | | |
| 2025/2/ | /2 | | | | | | |
| 5. Ava | ailable at | tendance formats | | | | | |
| Attenda | ance on a | a weekly basis | | | | | |
| 6. Nui | mber of (| Credit Hours (Total) / Numbe | er of Units (Total) | | | | |
| 30/2 | | | | | | | |
| 7. Cou | urse Obje | ectives | | | | | |
| Course | e Object | ives | Identify the freedoms due to member each individual in terms of rights an the various state policies | rs of society an d duties, as we | d the role of ll as identify | | |
| 8. Tea | ching an | d Learning Strategies | | | | | |
| • | Adequat | te explanation of the course | | | | | |
| | Student | groups | | | | | |
| 9 C | ourse Str | ucture | | | | | |
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method | | |
| First | 2 | The concept of freedom and democracy | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| Second | 2 | Rights and duties of the citizen | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| Third | 2 | The concept of the state and government | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |

Explanation of the lecture with the

presence of means of illustration

Explanation of the lecture with the presence of means of illustration

Intellectual and cultural

freedom

Economic and social

freedom

Fourth 2

2

Fifth

Classroom

Classroom

Exams

Exams

| Sixth | 2 | Right to vote and participate in elections | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
|-----------------|------------|--|---|-----------|-------|--|--|
| Seventl | 2 | Freedom to form trade unions and associations | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| Eighth | 2 | Freedom of social security and health care | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| Ninth | 2 | Democracy, its goals and ways to achieve it | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| Tenth | 2 | Forms of democracy | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| Elevent h | 2 | Democracy in Iraq | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| Twelft | 2 | People's participation in legislative work | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| Thirtee nth | 2 | The referendum and its types and causes | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| Fourtee nth | 2 | Popular referendum and popular solution | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| Fifteen h | 2 | Election of the Iraqi Transitional National Assembly | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | | |
| 10. C | ourse Ev | valuation | | | | | |
| Daily, | monthly | and final exams as well as w | eekly reports | | | | |
| 11. L | earning | and Teaching Resources | | | | | |
| Textbo | oks | | | | | | |
| Main references | | | | | | | |
| Scienti | ific resou | urces within the Internet | | | | | |

Sport Course Description Form

| 1. Course Name | | | | | | | | |
|---|--|--|--|---|--|--|--|--|
| Sport | | | | | | | | |
| 2. Course Code | | | | | | | | |
| NTU104 | | | | | | | | |
| 3. Semester/Level | | | | | | | | |
| Second /Firs | Second /First | | | | | | | |
| 4. Description preparation date | | | | | | | | |
| 2025/2/2 | | | | | | | | |
| 5. Availabl | 5. Available attendance formats | | | | | | | |
| Attendance | on a week | ly basis | | | | | | |
| 6. Number | of Credit | Hours (Total) / Number of U | nits (Total) | | | | | |
| 30/2 | <u></u> | | | | | | | |
| 7. Course C | Objectives | \$ | The second since to | marrida tha student | with | | | |
| 8. Teaching Ade Dail Stud Field | g and Lean quate exp y Tests lent group d visits | rning Strategies lanation of the course | • The course aims to the concept of exer- development, introd exercise schools, original and derived special situations, o skills of exercise, a types of sports, their | provide the student cises and their histo luce him to the diff introduce him to d exercise situations develop the basic n as well as identify s r laws and benefits. | with prical erent the s and notor some | | | |
| 9. Course | Structure | | I | Attandance Forms | Evaluation | | | |
| Week | Hours | Subject | Learning method | Attenuance ronns | method | | | |
| First | 2 | Introduction to sport and its benefits | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | | | |
| Second | 2 | Terms in the anatomy of the human body | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | | | |
| Third | 2 | The skeletal system of the human body | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | | | |
| Fourth | 2 | Muscular system of the human body | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | | | |
| Fifth | 2 | The nervous system of the human body | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
|--------------|------------|--|--|------------------------------|-------|--|
| Sixth | 2 | Sports Medicine and Sports Injuries | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
| Seventh | 2 | First aid for sports injuries | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
| Eighth | 2 | Fatigue and ways to treat it | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
| Ninth | 2 | Ethics and sportsmanship | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
| Tenth | 2 | Football Laws | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
| Eleventh | 2 | Basketball Laws | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
| Twelfth | 2 | Volleyball Laws | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
| Thirteenth | 2 | Tennis Laws | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
| Fourteenth | 2 | Swimming radiance and its benefits | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
| Fifteenth | 2 | Athletes of the arena and the field and its laws | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and sports hall | Exams | |
| 10. Cours | e Evaluat | ion | | | | |
| Daily mon | thly and f | inal exams as well as weekly | reports | | | |
| 11. Learn | ing and T | eaching Resources | 100100 | | | |
| Textbooks | | | | | | |
| Main refere | ences | | | | | |
| Scientific r | esources | within the Internet | | | | |
| | | | | | | |

Laboratory and Workshop Safety Course Description Form

| 1. Course l | Name | | 1. Course Name | | | | | |
|---|--|---|---|---|---|--|--|--|
| Safety of lab | ooratorie | s and workshops | | | | | | |
| 2. Course (| 2. Course Code | | | | | | | |
| TID108 | | | | | | | | |
| 3. Semeste | er/Level | | | | | | | |
| second /Firs | st | | | | | | | |
| 4. Descript | tion prep | aration date | | | | | | |
| 2/2/2025 | | | | | | | | |
| 5. Availab | le attenda | ance formats | | | | | | |
| Attendance | on a wee | kly basis | | | | | | |
| 6. Number | of Credi | t Hours (Total) / Number o | of Units (Total) | | | | | |
| 30/2 | | | | | | | | |
| 7. Course | Objective | es | | | 1 | | | |
| Course Obje | ectives | | Identify the rules of safety and secur with sources of hazards in laboratoric | ity and the abies and worksh | lity to deal | | | |
| 8. Teaching | g and Lea | arning Strategies | | | | | | |
| • Ade | quate exp | planation of the course | | | | | | |
| • Dail | y Tests | | | | | | | |
| • Stud | lent grou | ps | | | | | | |
| | | | | | | | | |
| 9. Course | e Structu | re | | | | | | |
| 9. Course Week | e Structu Hours | re Subject | Learning method | Attendance Forms | Evaluation method | | | |
| 9. Course Week First | e Structu Hours 2 | re Subject Basic equipment to be available in the laboratory (laboratory arrangements) | Learning method Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom | Evaluation method Exams | | | |
| 9. Course Week First Second | e Structu Hours 2 2 | re Subject Basic equipment to be available in the laboratory (laboratory arrangements) Safety precautions when handling laboratory instruments, chemicals | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom | Evaluation method Exams Exams | | | |
| 9. Course Week First Second Third | e Structu Hours 2 2 2 2 | re Subject Basic equipment to be available in the laboratory (laboratory arrangements) Safety precautions when handling laboratory instruments, chemicals Safety precautions upon completion of laboratory work | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | | |
| 9. Course Week First Second Third Fourth | e Structu Hours 2 2 2 2 2 2 2 2 | re Subject Basic equipment to be available in the laboratory (laboratory arrangements) Safety precautions when handling laboratory instruments, chemicals Safety precautions upon completion of laboratory work Fires and their types | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | | |

| Sixth | 2 | Personal Protective Equipment | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
|--|-----------|---|---|-----------|-------|
| Seventh | 2 | Chemical hazards - and how to deal with them | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Eighth | 2 | Radiological hazards | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Ninth | 2 | Biological hazards | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Tenth | 2 | Laboratory (medical) waste disposal | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Eleventh | 2 | First aid in laboratories | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Twelfth | 2 | Use of warning signs in the laboratory | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Thirteenth | 2 | Environmental factors and their impact on safety and health (light, noise, heat, humidity) | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fourteenth | 2 | Safety in Field Studies | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fifteenth | 2 | Chemical and medical storage methods | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 10. Cours | e Evalua | tion | | | |
| Daily, mon | thly and | final exams as well as wee | kly reports | | |
| 11. Learn | ing and ' | Teaching Resources | | | |
| Textbooks | | | | | |
| Main refere | ences | | | | |
| Scientific r | esearch | | | | |
| Scientific resources within the Internet | | | | | |

Arabic Course Description Form

| 1. Course Name | | | | | |
|---|---|---|--|--|--|
| | | | | | |
| | | | | | |
| NTU103 | | | | | |
| | | | | | |
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| 1 | | | | | |
| | | | | | |
| | | | | | |
| s (Total) | | | | | |
| | | | | | |
| | | | | | |
| It aims to enable students w | ith Arabic langua | ge skills and | | | |
| semantic, stylistic. and writt | en | stannatical, | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| • Student groups | | | | | |
| | | | | | |
| | | | | | |
| | Attendance | Evaluation | | | |
| Learning method | Attendance Forms | Evaluation method | | | |
| Learning method Explanation of the lecture | Attendance Forms | Evaluation method | | | |
| Learning method Explanation of the lecture with the presence of | Attendance Forms Classroom | Evaluation method Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom | Evaluation method Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture | Attendance Forms Classroom | Evaluation method Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of | Attendance Forms Classroom | Evaluation method Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and | Attendance Forms Classroom Classroom | Evaluation method Exams Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom | Evaluation method Exams Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture | Attendance Forms Classroom Classroom | Evaluation method Exams Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of | Attendance Forms Classroom Classroom | Evaluation method Exams Exams Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | | |
| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | | |
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| Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | | |
| I I I I | s (Total) t aims to enable students w ssues at all levels: phonetic, emantic, stylistic, and writt | s (Total) t aims to enable students with Arabic langua ssues at all levels: phonetic, morphological, g emantic, stylistic, and written | | | |

| Sixth | 2 Noun and verb and differentiate between them | | Explanation of the lecture with the presence of means of illustration and | Classroom | Exams |
|---------------|--|--|---|-----------|--------|
| | 2 | | practical application | | |
| | 2 | | with the presence of | | Exame |
| Seventh | Effects | | means of illustration and | Classroom | Exams |
| | | | practical application | | |
| | 2 | | Explanation of the lecture | | |
| Fighth | | Number | with the presence of | Classroom | Exams |
| Lightii | | Rumber | means of illustration and | Clussroom | |
| | | | practical application | | |
| | 2 | | Explanation of the lecture | | |
| Ninth | | Applications of common | with the presence of | Classroom | Exams |
| | | linguistic errors | means of illustration and | | |
| | 2 | | Further of the lecture | | |
| | 2 | | Explanation of the lecture | | |
| Tenth | | Noon and Tanween | means of illustration and | Classroom | Exams |
| | | | practical application | | |
| | 2 | | Explanation of the lecture | | |
| | 2 | Formal aspects of | with the presence of | Classroom | Evene |
| Eleventh | | administrative discourse | means of illustration and | | Exams |
| | | | practical application | | |
| | 2 | | Explanation of the lecture | | |
| | - | | with the presence of | Classroom | Exams |
| Twelfth | | Meanings of prepositions | means of illustration and | | LAdins |
| | | | practical application | | |
| | 2 | | Explanation of the lecture | | |
| Thisterath | | Color and lunar latters | with the presence of | Classroom | Exams |
| Infreenth | | Solar and Iuliar letters | means of illustration and | | |
| | | | practical application | | |
| | 2 | | Explanation of the lecture | | |
| Fourteenth | | T tied and long | with the presence of | Classroom | Exams |
| Tourcentin | | i tied und long | means of illustration and | | |
| | | | practical application | | |
| | 2 | | Explanation of the lecture | | |
| Fifteenth | | T Open | with the presence of | Classroom | Exams |
| | | | means of illustration and | | |
| 10 0 | - English | | practical application | | |
| Deily | thu and f | 1011 Snal avoms as well as weekly " | enorte | | |
| Daily, mon | ing and T | Charling Resources | eports | | |
| Tavthooko | ing and T | caching itesources | | | |
| Main refer | ences | | | | |
| Scientific r | esources | within the Internet | | | |
| J Selentine I | cources | The second secon | | | |

Physiology Course Description Form

| 1. Course | Name | | | | | | |
|--------------|--------------------------|--|---|----------------------------------|------------------------------|--|--|
| Physiology | hysiology Course Code | | | | | | |
| Z. Course | | | | | | | |
| 3 Semest | er / Level | | | | | | |
| First /First | | | | | | | |
| 4 Descrip | tion prepa | ration date | | | | | |
| 2/2/2025 | non propu | | | | | | |
| 5. Availab | ole attenda | nce formats | | | | | |
| Attendance | on a week | cly basis | | | | | |
| 6. Numbe | r of Credit | Hours (Total) / Number of Units (| Total) | | | | |
| 60 / 4 | | | t. | | | | |
| 7. Course | administra | ator name | | | | | |
| Hind Tareo | Hamad | | | | | | |
| 8. Course | Objectives | S | | | | | |
| Course Ob | ojectives | | The student's knowledge of in the human body and its body | the function o role in the ba | f each organ lance of the | | |
| 9. Teachin | g and Lean | rning Strategies | | | | | |
| | | | | | | | |
| • Ade | equate exp | lanation of the course | | | | | |
| • Dai | ly Tests | | | | | | |
| • Stu | dent group | 0S | | | | | |
| • Fiel | ld visits | | | | | | |
| 10 Cours | o Structur | a | | | | | |
| | se Structure | E | | | | | |
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method | | |
| First | 4 | Blood – its components – blood swab – blood volume – red blood cells – number of red | Explanation of the lecture with the presence of means of illustration and | Classroom and | Exams | | |
| | | blood cells – shape – method of counting them | practical application | laboratory | | | |
| | 4 | Leukocytes - their number - | Explanation of the lecture | Classroom | | | |
| | | types - the normal proportions | with the presence of | and | E | | |
| Second | | of each type - the work of white | means of illustration and | laboratory | Exams | | |
| | | blood cells. | practical application | | | | |
| | | | | | | | |
| | 4 | | Explanation of the lecture | Classroom | | | |
| Third | | Blood clotting – blood acidity – | with the presence of | and | Exams | | |
| Time | | blood discs and their function. | means of illustration and | laboratory | | | |
| | | | practical application | CI | | | |
| | 4 | | Explanation of the lecture | Classroom | | | |
| E 41 | | | | | | | |
| Fourth | | Anemia – types of anemia. | means of illustration and | laboratory | Exams | | |

| Fifth | 4 | Jaundice - its types - causes of jaundice - erythrocyte decomposition. | Explanation of the lecture with the presence of means of illustration and | Classroom and laboratory | Exams |
|------------|---|--|--|--------------------------------|-------|
| Sixth | 4 | Cardiovascular system – Overview of the anatomy of the circulatory system – Anatomy of the heart – Heart valves. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Seventh | 4 | The location of the heart relative to the surface of the living body - the heart as a pump - cardiac subtraction. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eighth | 4 | ECG – cardiac sounds – cardiac valve areas – natural sounds. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Ninth | 4 | Arterial blood pressure – silent blood flow – atmospheric pressure – blood pressure measurement. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Tenth | 4 | Factors affecting blood pressure - high - low - central control of blood vessels - measurement of high blood pressure - low. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Eleventh | 4 | Respiratory system – respiratory muscles – diaphragm – diaphragm function relative to the lungs. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Twelfth | 4 | Respiratory volumes – spare volume of exhalation – reserve volume of inhalation – vital capacity – factors affecting vital capacity. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Thirteenth | 4 | Diseases that affect the effectiveness of respiratory volumes – nasal function. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fourteenth | 4 | Pulmonary alveoli function | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fifteenth | 4 | Digestive system – mouth – pharynx. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |

11. Course Evaluation

Daily, monthly and final exams as well as weekly reports

12. Learning and Teaching Resources

Textbooks

Main references

Scientific research

Scientific resources within the Internet

Medical Terminology Course Description Form

| 1. Course N Medical term | lame hinology | | | | |
|--|----------------------------------|---|--|---|--|
| 2. Course C | Code | | | | |
| TID109 | | | | | |
| 3. Semester | :/Level | | | | |
| First /First | | | | | |
| 4. Descripti | ion prepa | aration date | | | |
| 2/2/2025 | | 6 | | | |
| 5. Available | e attenda | ince formats | | | |
| 6 Number | n a week | t Hours (Total) / Num | her of Units (Total) | | |
| $\frac{0.1}{2/30}$ | or crean | riburs (rotar) / runn | | | |
| 7. Course C | Diective | S | | | |
| Course Obj | ectives | | The student's knowledge of comprehensive about the terminology used to describe the the human body, the different types of abbreviations, andenable him to unde discussions in English for any topic withi seminars and external conferences. | e and detailed e organs and s tests and th rstand the b n the systema | information structures of eir medical ulk of the tic lectures, |
| 8. Teaching | and Lea | rning Strategies | | | |
| Daily Stud Field | y Tests ent group l visits | 05 | | | |
| 9. Course | Structur | e | | Attandanca | Evolution |
| Week | Hours | Subject | Learning method | Forms | method |
| First | 2 | Introduction to Medical Terminology | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Second | 2 | Root | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Third | 2 | Prefix | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fourth | 2 | Subsequent | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fifth | 2 | Mobile Splicing Rules | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Sixth | 2 | Connecting forms | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |

| Seventh | 2 | Medical terminology and pathology | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
|------------|---|---|---|-----------|-------|
| Eighth | 2 | Terminology of the heart, circulation and nervous system | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Ninth | 2 | Gastrointestinal and urinary terminology | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Tenth | 2 | Lymphatic system terminology | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Eleventh | 2 | Respiratory terminology | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Twelfth | 2 | Teeth and maxillofacial | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Thirteenth | 2 | Terms of conditions and trends | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fourteenth | 2 | Musculoskeletal terminology | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fifteenth | 2 | Terminology of the skeletal system | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |

10. Course Evaluation

Daily, monthly and final exams as well as weekly reports

11. Learning and Teaching Resources

Textbooks

Main references

Scientific research

Scientific resources within the Internet

Biomechanics of orthosis Course Description Form

| 1. Course | Name | | | | |
|--|--|--|---|---|--|
| Biomechani | ics of ort | hosis | | | |
| 2. Course | Code | | | | |
| IPT 208 | | | | | |
| 3. Semeste | er / Leve | | | | |
| Second sem | ester/sec | cond level | | | |
| 4. Descrip | tion prep | baration date | | | |
| 2/2/2025 | | | | | |
| 5. Availab | le attend | ance formats | | | |
| Presence | 6.0.1 | · | | · · · | |
| 6. Number | of Cred | it Hours (Total) / Num | ber of Units (Total) | | |
| 45/3 7 Course | Objectiv | 26 | | | |
| 7. Course | institute | The shility | to master angles and deviations when mar | ufacturing lim | he |
| Course Ob | jectives | Efficiency | in distributing the stress on the amputated | limb | 105 |
| 8. Teaching | g and Le | arning Strategies | | | |
| • Ade | quate ex | planation of the course | | | |
| • Dail | y Tests | | | | |
| • Stuc | lent grou | ips | | | |
| | | | | | |
| 9. Cours | e Structu | re | | | |
| 9. Course | e Structu | Subject | Learning method | Attendance | Evaluation |
| 9. Course Week | e Structu Hours | Subject | Learning method | Attendance Forms | Evaluation method |
| 9. Course Week | e Structu Hours | Subject Mechanics of | Learning method Explanation of the lecture with the | Attendance Forms Classroom | Evaluation method |
| 9. Course Week First | e Structu Hours 3 | Subject Mechanics of Orthosis | Learning method Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop | Evaluation method Exams |
| 9. Course Week First | e Structu Hours 3 | re Subject Mechanics of Orthosis | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the | Attendance Forms Classroom and Workshop Classroom | Evaluation method Exams |
| 9. Course Week First | e Structu Hours 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and | Attendance Forms Classroom and Workshop Classroom and | Evaluation method Exams Exams |
| 9. Course Week First Second | e Structu Hours 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams |
| 9. Course Week First Second | e Structu Hours 3 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. Free body diagram | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom | Evaluation method Exams Exams |
| 9. Course Week First Second Third | Structu Hours 3 3 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. Free body diagram | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and | Evaluation method Exams Exams Exams |
| 9. Course Week First Second Third | e Structu Hours 3 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. Free body diagram | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and | Evaluation method Exams Exams Exams |
| 9. Course Week First Second Third | e Structu Hours 3 3 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. Free body diagram Bending moment | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams Exams |
| 9. Course Week First Second Third Fourth | e Structu Hours 3 3 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. Free body diagram Bending moment | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom and | Evaluation method Exams Exams Exams Exams |
| 9. Course Week First Second Third Fourth | e Structu Hours 3 3 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. Free body diagram Bending moment Design of Orthosis | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams Exams Exams |
| 9. Course Week First Second Third Fourth | e Structu Hours 3 3 3 3 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. Free body diagram Bending moment Design of Orthosis | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom | Evaluation method Exams Exams Exams Exams Exams |
| 9. Course Week First Second Third Fourth Fifth | e Structu Hours 3 3 3 3 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. Free body diagram Bending moment Design of Orthosis | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams Exams Exams Exams |
| 9. Course Week First Second Third Fourth Fifth | e Structu Hours 3 3 3 3 3 3 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. Free body diagram Bending moment Design of Orthosis Function of orthosis | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom and Workshop | Evaluation method Exams Exams Exams Exams |
| 9. Course Week First Second Third Fourth Fifth Sixth | e Structu Hours 3 3 3 3 3 3 3 3 | re Subject Mechanics of Orthosis Moment of equilibrium. Free body diagram Bending moment Design of Orthosis Function of orthosis joint | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom and Workshop Classroom and | Evaluation method Exams Exams Exams Exams Exams Exams |

| | 1 | | | | |
|--------------|-----------|--------------------------------------|---|------------------------------|-------|
| Seventh | 3 | Affected of joint on gait | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| Eighth | 3 | Kinamtics and acceleration | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| Ninth | 3 | Equilibrium for ankle deformity | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| Tenth | 3 | Effected of rigidity equipment | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| Eleventh | 3 | Mechanic of function of AFO | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| Twelfth | 3 | Examine the AFO | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| Thirteenth | 3 | Biomechanics of ankle foot deformity | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| Fourteenth | 3 | Biomechanics of ankle foot gait | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| Fifteenth | 3 | Exam | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams |
| 10. Cours | e Evalua | ition | | | |
| Daily, mon | thly and | final exams as well as y | weekly reports | | |
| 11. Learn | ing and ' | Teaching Resources | | | |
| Textbooks | | | | | |
| Main refere | ences | | | | |
| Scientific r | esources | within the Internet | | | |

Biomaterials Course Description Form

| 1. Course Name |
|---|
| Biomaterials |
| 2. Course Code |
| IPT213 |
| 3. Semester / Level |
| Second semester/second level |
| 4. Description preparation date |
| 2/2/2025 |
| 5. Available attendance formats |
| Presence |
| 6. Number of Credit Hours (Total) / Number of Units (Total) |
| 30/2 |
| 7. Course Objectives |
| Course Objectives Lightness and flexibility. Biomaterials allow the manufacture of lightweight and flexible limbs and supports, which makes it easy for a person to wear them and use them efficiently. Some biomaterials are characterized by high strength and hardness, which makes them ideal for use in prosthetic limbs that need to withstand pressure and severe use. Suitability and adaptation, as these materials allow for the formation and customization of limbs and supports precisely according to the needs of the individual, which makes it |
| Corrosion resistance: Some biomaterials provide high resistance to corrosion, which extends the life of prosthetic limbs and medical supports. |
| 8. Teaching and Learning Strategies |

- Adequate explanation of the course
- Daily Tests
- Student groups

| 9. Cours | e Structu | ire | | | |
|----------|-----------|---|---|---------------------|-------------------|
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method |
| First | 2 | Use of Biomaterials | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Second | 2 | Biomaterials in Organs | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Third | 2 | Materials for use in the Body | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fourth | 2 | Selection of Biomedical Materials | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |

| Fifth | 2 | Materials Evaluation | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
|------------|----------|--|---|-----------|-------|
| Sixth | 2 | Polymers | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Seventh | 2 | Metals | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Eighth | 2 | Ceramics | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Ninth | 2 | Biological Soft Tissue Materials | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Tenth | 2 | Mechanical properties of Biomaterial | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Eleventh | 2 | Thermal Properties | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Twelfth | 2 | Bio-Ceramics | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Thirteenth | 2 | Biomedical Application in Medicine | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fourteenth | 2 | Modern Biotechnology Techniques | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fifteenth | 2 | | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 10. Cours | se Evalu | ation | | | |
| Daily, mor | thly and | l final exams as well as | weekly reports | | |
| 11. Learn | ing and | Teaching Resources | | | |
| Textbooks | | | | | |
| Main refer | ences | | | | |
| Scientific | resource | s within the Internet | | | |

Parasites Course Description Form

| 1. Cou | urse Nam | e | | | |
|----------|-----------------|---|--|---|--|
| Parasite | es Cal | | | | |
| 2. Col | urse Cod | 8 | | | |
| 1PT 210 | 0 | aval | | | |
| 5. Ser | mester / 1 | Level | | | |
| 1 Dec | mester/se | preparation date | | | |
| 4. Des | scription 25 | preparation date | | | |
| 5 11/202 | ailable at | tendance formats | | | |
| Dresen | | | | | |
| 6 Nu | mber of (| Credit Hours (Total) / Number of Units | (Total) | | |
| 45/3 | | credit flours (four) / funcer of ching | (1000) | | |
| 7. Co | urse Obie | ectives | | | |
| Course | Objectiv | ves The new parasites are specially d | esigned to enable Dravis to cre | ate new softwa | are, which is |
| | e ogene | world-famous, which is world-fa | mous, with what we need to de | sign and progr | am software |
| | | Why do we need more features | , methods, methods, and new | methods Thi | s article has |
| | | become brief, character design m | ethods and the main part of it. | | |
| 8. Tea | ching an | d Learning Strategies | | | The second s |
| • | Adequat | e explanation of the course | | | |
| • | Daily Te | ests | | | |
| • | Student | groups | | | |
| | | | | | |
| 9. C | Course Sti | ucture | | | |
| | | | | Attendance | Evaluation |
| Week | Hours | Subject | Learning method | Forms | method |
| | | Defines the parasites parasitology types of | | Tornic | |
| | | parasites | Explanation of the lecture with | Classroom | F |
| 1 | 3 | Types of host Classification of normalitas | the presence of means of illustration and practical | and | Exams |
| | | Protozoa + metazoan | application | laboratory | |
| | | Metazoa [helminthes and arthropoda] | | <u>C1</u> | |
| | 3 | Introduction generally in characteristic feature | Explanation of the lecture with the presence of means of | Classroom | Evams |
| 2 | | Rhizopoda "Mastigophora "Cilophora (ciliate) | illustration and practical | and | LAdins |
| | | ,Telospora | application | laboratory | |
| | 3 | | | Classroom | |
| 3 | | Class Rhizopoda | Explanation of the lecture with | | |
| | | Class Rhizopoda Pathogenic amoeba Entamoeba histolytica | Explanation of the lecture with the presence of means of | and | Exams |
| | | Class Rhizopoda Pathogenic amoeba Entamoeba histolytica Morphology ,life cycle ,Pathogenicity | Explanation of the lecture with the presence of means of illustration and practical application | and laboratory | Exams |
| | | Class Rhizopoda Pathogenic amoeba Entamoeba histolytica Morphology ,life cycle ,Pathogenicity ,Lab.diagnosis | Explanation of the lecture with the presence of means of illustration and practical application | and laboratory | Exams |
| | 3 | Class Rhizopoda Pathogenic amoeba Entamoeba histolytica Morphology ,life cycle ,Pathogenicity ,Lab.diagnosis Few of morphology ,pathogenicity ,diagnosis of :- Entamoeba gingivalis , A canthomoeba | Explanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of | and laboratory Classroom and | Exams |
| 4 | 3 | Class Rhizopoda Pathogenic amoeba Entamoeba histolytica Morphology ,life cycle ,Pathogenicity ,Lab.diagnosis Few of morphology ,pathogenicity ,diagnosis of :- Entamoeba gingivalis , A canthomoeba ,Naegleria | Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical | and laboratory Classroom and laboratory | Exams |
| 4 | 3 | Class Rhizopoda Pathogenic amoeba Entamoeba histolytica Morphology ,life cycle ,Pathogenicity ,Lab.diagnosis Few of morphology ,pathogenicity ,diagnosis of :- Entamoeba gingivalis , A canthomoeba ,Naegleria | Explanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | and laboratory Classroom and laboratory | Exams Exams |
| 4 | 3 | Class Rhizopoda Pathogenic amoeba Entamoeba histolytica Morphology ,life cycle ,Pathogenicity ,Lab.diagnosis Few of morphology ,pathogenicity ,diagnosis of :- Entamoeba gingivalis , A canthomoeba ,Naegleria Non pathogenic amoeba Different between Entamoeba coli and E. | Explanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | and laboratory Classroom and laboratory Classroom and | Exams Exams |
| 4 | 3 | Class Rhizopoda Pathogenic amoeba Entamoeba histolytica Morphology ,life cycle ,Pathogenicity ,Lab.diagnosis Few of morphology ,pathogenicity ,diagnosis of :- Entamoeba gingivalis , A canthomoeba ,Naegleria Non pathogenic amoeba Different between Entamoeba coli and E. histolytica . and morphology , Lab, diagnosis of | Explanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | and laboratory Classroom and laboratory Classroom and laboratory | Exams Exams Exams |

| 6 | 3 | Class Mastigophor or Flagellates generally introduction in characteristic feature and classification in (intestinal flagellate, blood and tissue flagellates ,genital flagellates). Intestinal Flagellate :- Giardia lamblia ,Chilomastix mesnili ,Trichomonas hominis ,Morphology ,life cycle ,pathogenicity ,and lab. Diagnosis . | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
|-------|-----------|---|--|--------------------------------|-------|
| 7 | 3 | Genital flagellate Trichomonas vaginales Oral flagellates Trichomonas tenax Morphology ,pathogenicity and lab. diagnosis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 8 | 3 | Tissue and blood flagellate Haemoflagellates forms. Lishmania donovani Lishmania tropica Lishmania brazeliencis Morphology ,life cycle ,pathogenicity, Lab. diagnosis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 9 | 3 | Trypanosoma cruzi Trypanosoma brucei Morphology ,life cycle ,pathogenicity, Lab. Diagnosis Sample of Tse-tse fly and Reduviid bug. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 10 | 3 | Class Ciliophra (cilata) Blantidium coli Morphology ,life cycle ,pathogenicity, Lab. diagnosis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 11 | 3 | Class Sporozoa Generally introduction of characteristic features of sporozoa. Life cycle in generally of Plasmodium spp. In man and insects. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 12 | 3 | Plasmodium vivax Plasmodium ovale pathogenicity, Lab. Diagnosis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 13 | 3 | Plasmodium malariae Plasmodium falciparum pathogenicity, Lab. diagnosis and short notes of parasites Babesia spp. The defferentes in lab. diagnosis with Plasmodium spp. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 14 | 3 | Isosporia belli , Toxoplasma gondii Morphology ,life cycle ,pathogenicity, Lab. Diagnosis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 15 | 3 | Cryptosporidium spp. Morphology ,life cycle ,pathogenicity, Lab. Diagnosis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| 10. | Course E | valuation | | | |
| Daily | , monthly | y and final exams as well as weekly repo | orts | | |
| 11. | Learning | and Teaching Resources | | | |
| Te | xtbooks | ncas | | | |
| | in refere | sources within the Internet | | | |
| 50 | | Sources within the internet | | | |

Physiotherapy methods Course Description Form

| 1. Course Name | |
|------------------------|---|
| Physiotherapy methods | |
| 2. Course Code | |
| IPT215 | |
| 3. Semester / Level | |
| First /second | |
| 4. Description prepara | tion date |
| 2/2/2025 | |
| 5. Available attendanc | e formats |
| Presence | |
| 6. Number of Credit H | lours (Total) / Number of Units (Total) |
| 45/3 | |
| 7. Course Objectives | |
| Course Objectives | Physical therapy aims to improve the individual's ability to use prosthetic limbs efficiently and effectively in movement and daily performance Strengthening the muscles and improving flexibility. Physical therapy includes exercises to strengthen the muscles surrounding the prosthetic limbs and improve their flexibility, which facilitates the movement process and reduces the risk of injury. Improving balance and motor coordination, as physical therapy includes exercises to improve the individual's balance and motor coordination using prosthetic limbs. |
| 8. Teaching and Learn | ing Strategies |
| Adequate expla | nation of the course |
| • Daily Tests | |
| Student groups | |
| | |

| 9. U | 9. Course structure | | | | | |
|------|---------------------|--------------------------------|---|---------------------|-------------------|--|
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method | |
| 1 | 3 | Physical Therapy Techniques | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | |
| 2 | 3 | Muscles and Tendons | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | |
| 3 | 3 | Strength training exercises | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | |
| 4 | 3 | Stretching exercises | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | |
| 5 | 3 | Balance Techniques | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | |

| 6 | 3 | Pain Management | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
|-------|------------|---|---|-----------|-------|
| 7 | 3 | Massage Techniques | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 8 | 3 | Coordination exercises | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 9 | 3 | Psychological Adaptation Techniques | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 10 | 3 | Progress Monitoring | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 11 | 3 | Prosthetic Use | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 12 | 3 | Injury Prevention | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 13 | 3 | Performance Enhancement | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 14 | 3 | Irritation Reduction Techniques | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 15 | 3 | Self – care Instructions | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 10. C | Course E | valuation | | | |
| Da | ily, mor | thly and final exams as | s well as weekly reports | | |
| 11. L | earning | and Teaching Resource | es | | |
| Tex | xtbooks | | | | |
| Ma | in refere | ences | | | |
| Scie | entific re | sources within the Inter | rnet | | |

Properties of Material Course Description Form

| 1. Cou | Irse Name | | | | |
|---|-------------|---|-----------------|---------------------|---|
| Propert | ies of Ma | terial | | | |
| 2. Cou | irse Code | | | | |
| IPT 211 | l | | | | |
| 3. Sen | nester / L | level | | | |
| First se | mester/se | cond level | | | |
| 4. Des | cription p | preparation date | | | |
| 2025/2/ | 2 | | | | |
| 5. Ava | ailable att | endance formats | | | |
| Presenc | e a c | | | | |
| 6. Nur | nber of C | credit Hours (Total) / Number of | Units (Total) | | |
| 30/2 | 011 | • | | | |
| 7. Cou | urse Obje | ctives | | | |
| 1-The ability to use various types of materials -2 The ability to develop solutions and find alternative materials in the event that the quantities required to comp the work are not available 3- Proficiency in dealing with introducing materials into interaction template | | | | | erials nd alternative required to complete ng materials into the |
| 8. Tea | ching and | Learning Strategies | | | |
| • | Adequate | e explanation of the course | | | |
| • | Daily Te | sts | | | |
| • | Student g | groups | | | |
| 9 0 | ourse Str | ucture | | | |
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method |
| 1 | 2 | Power and energy systems | Theoretical | Classroom | Tests and reports |
| 2 | 2 | Work and stress | Theoretical | Classroom | Tests and reports |
| 3 | 2 | Stress and tension | Theoretical | Classroom | Tests and reports |
| 4 | 2 | Stress and emotion | Theoretical | Classroom | Tests and reports |
| 5 | 2 | The breed and its types | Theoretical | Classroom | Tests and reports |
| 6 | 2 | The relationship between stress and tension | Theoretical | Classroom | Tests and reports |
| 7 | 2 | Constant movement | Theoretical | Classroom | Tests and reports |
| 8 | 2 | Hooke's law | Theoretical | Classroom | Tests and reports |
| 9 | 2 | Kinetic measurements | Theoretical | Classroom | Tests and reports |
| 10 | 2 | Fragility | Theoretical | Classroom | Tests and reports |
| 11 | 2 | Plastic for orthotics and prosthetics | Theoretical | Classroom | Tests and reports |

| 12 | 2 | Thermal plastic | Theoretical | Classroom | Tests and reports |
|---------|-----------|-----------------------------------|-------------|-----------|-------------------|
| 13 | 2 | Plastic T.H/PP.RT/PVC/ACP | Theoretical | Classroom | Tests and reports |
| 14 | 2 | Plastic LT and its application | Theoretical | Classroom | Tests and reports |
| 15 | 2 | Thermal assembly | Theoretical | Classroom | Tests and reports |
| 10. C | ourse Ev | aluation | | | |
| Daily, | monthly | and final exams as well as weekly | y reports | | |
| 11. L | earning a | nd Teaching Resources | | | |
| Textbo | oks | | | | |
| Main r | eferences | 3 | | | |
| Scienti | fic resou | rces within the Internet | | | |

Computer Course Description Form

| 1. Cot | irse Nam | ie | | | |
|--|---|---|---|---|---|
| comput | er Cad | | | | |
| 2. Cot NTU 20 | | U | | | |
| 3. Sen | nester /] | Level | | | |
| Secon | d/ second | d | | | |
| 4. Des | cription | of preparation date | | | |
| 2025/2/ | /2 | | | | |
| 5. Ava | ailable at | tendance formats | | | |
| weekly | attenda | nce | | | |
| 6. Nur | nber of (| Credit Hours (Total) / Numbe | er of Units (Total) | | |
| 30/2 | ungo Ohio | ativas | | | |
| 7. Course | Objectiv | | Familiarize the student with y | various computer app | lications and |
| Course | Objectiv | | be able to distinguish between handled, and identify artificia dealing with it and how to ber | the types of softwar intelligence and the aefit from it in all area | e that can be prospects of as of life. |
| 8. Tea | ching an | d Learning Strategies | | | |
| • | Adequat | e explanation of the course | | | |
| • | Daily Te | ests | | | |
| • | Student | groups | | | |
| | | | | | |
| 0 C | ourse Str | nicture | | | |
| 9. C | ourse Str | ructure Subject | Learning method | Attendance Forms | Evaluation |
| 9. C Week | ourse Str Hours | ucture Subject | Learning method | Attendance Forms | Evaluation method |
| 9. Co Week | ourse Str Hours 2 | Subject | Learning method Explanation of the lecture | Attendance Forms | Evaluation method |
| 9. Co Week | ourse Str Hours 2 | Subject Introduction to artificial | Learning method Explanation of the lecture with the presence of means of illustration and practical | Attendance Forms Classroom and Laboratory | Evaluation method Exams |
| 9. Co Week | ourse Str Hours 2 | Subject Introduction to artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Laboratory | Evaluation method Exams |
| 9. Co Week | Hours 2 | Subject Subject Introduction to artificial intelligence History of artificial | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture | Attendance Forms Classroom and Laboratory Classroom and | Evaluation method Exams |
| 9. C. Week | Hours 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means | Attendance Forms Classroom and Laboratory Classroom and Laboratory | Evaluation method Exams |
| 9. Co Week 1 | Hours 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical | Attendance Forms Classroom and Laboratory Classroom and Laboratory | Evaluation method Exams Exams |
| 9. C Week 1 | Hourse Str Hours 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Laboratory Classroom and Laboratory | Evaluation method Exams Exams |
| 9. Co Week 1 2 | Ourse Str Hours 2 2 2 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture | Attendance Forms Classroom and Laboratory Classroom and Laboratory Classroom and | Evaluation method Exams Exams |
| 9. Co Week 1 2 3 | Ourse Str Hours 2 2 2 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence Artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical | Attendance Forms Classroom and Laboratory Classroom and Laboratory Classroom and Laboratory Classroom and Laboratory | Evaluation method Exams Exams Exams |
| 9. Co Week 1 2 3 | Ourse Str Hours 2 2 2 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence Artificial intelligence Artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Laboratory Classroom and Laboratory Classroom and Laboratory | Evaluation method Exams Exams Exams |
| 9. Co Week 1 2 3 | Ourse Str Hours 2 2 2 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence Artificial intelligence Artificial intelligence Challenges and ethical | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture | Attendance Forms Classroom and Laboratory Classroom and Laboratory Classroom and Laboratory Classroom and Laboratory Classroom and Laboratory | Evaluation method Exams Exams Exams |
| 9. Co Week 1 2 3 | Ourse Str Hours 2 2 2 2 2 2 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence Artificial intelligence Artificial intelligence Challenges and ethical considerations in artificial | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means | Attendance Forms Classroom and Laboratory Classroom and Laboratory Classroom and Laboratory Classroom and Laboratory Classroom and Laboratory | Evaluation method Exams Exams Exams |
| 9. Co Week 1 2 3 4 | Ourse Str Hours 2 2 2 2 2 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence Artificial intelligence Artificial intelligence Challenges and ethical considerations in artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Laboratory | Evaluation method Exams Exams Exams Exams |
| 9. Co Week 1 2 3 4 | Ourse Str Hours 2 2 2 2 2 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence Artificial intelligence Artificial intelligence Challenges and ethical considerations in artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Laboratory | Evaluation method Exams Exams Exams Exams |
| 9. Co Week 1 2 3 4 | Ourse Str Hours 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence Artificial intelligence Challenges and ethical considerations in artificial intelligence Artificial intelligence Artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture | Attendance Forms Classroom and Laboratory | Exams Exams Exams |
| 9. Co Week 1 2 3 4 5 | Ourse Str Hours 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Subject Introduction to artificial intelligence History of artificial intelligence Artificial intelligence Challenges and ethical considerations in artificial intelligence Artificial intelligence Artificial intelligence | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom and Laboratory Classroom and Laboratory | Evaluation method Exams Exams Exams Exams Exams |

| 6 | 2 | Applications of artificial intelligence in education, health, finance, transport and marketing | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Laboratory | Exams |
|----|---|---|--|-----------------------------|-------|
| 7 | 2 | The impact of artificial intelligence on society | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Laboratory | Exams |
| 8 | 2 | Artificial intelligence and international relations | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Laboratory | Exams |
| 9 | 2 | Artificial intelligence and the future of humanity. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Laboratory | Exams |
| 10 | 2 | Ethics of artificial intelligence | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Laboratory | Exams |
| 11 | 2 | Artificial intelligence, privacy and surveillance | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Laboratory | Exams |
| 12 | 2 | Future directions in artificial intelligence | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Laboratory | Exams |
| 13 | 2 | Modern research and emerging technologies in the field of artificial intelligence | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Laboratory | Exams |
| 14 | 2 | Future outlook | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Laboratory | Exams |
| 15 | 2 | The role of intelligence in smartphones | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Laboratory | Exams |

| 10. Course Evaluation | |
|---|--|
| Daily, monthly, and final exams as well as weekly reports | |
| 11. Learning and Teaching Resources | |
| Textbooks | |
| Main references | |
| Scientific resources within the Internet | |

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Sample Course Description of the Crimes of the Baath Regime in Iraq

| Cuima ca of the | taine | | | | | | |
|---|---|---|---|--|---|--|--|
| Crimes of th | e Baath | regime in Iraq | | | | | |
| 2. Course (| 2. Course Code | | | | | | |
| NTU203 | NTU203 | | | | | | |
| 3. Semeste | 3. Semester / Level | | | | | | |
| First / Secor | nd | | | | | | |
| 4. Descript | ion prep | aration date | | | | | |
| 2/2/2025 | | | | | | | |
| 5. Availab | le attenda | ance formats | | | | | |
| Attendance | on a wee | ekly basis | | | | | |
| 6. Number | of Credi | it Hours (Total) / Num | ber of Units (Total) | | | | |
| 2/30 | | | | | | | |
| 7. Course (| Objective | es | | | and the trines | | |
| Course Objectives Introducing the Baath regime and its emergence in Iraq and of crimes practiced by it over decades and studying the behind the implementation of various crimes against people. | | | | the motives ast the Iraqi | | | |
| 8. Teaching | g and Lea | arning Strategies | | | | | |
| • Ade | quate exp | planation of the cours | e | | | | |
| • Dail | y Tests | | | | | | |
| Stud | lent grou | ps | | | | | |
| c connected by the second se | | | | | | | |
| | | r - | | | | | |
| 9. Course | e Structu | re | | Attendance | Evaluation | | |
| 9. Course Week | e Structu Hours | re Subject | Learning method | Attendance | Evaluation method | | |
| 9. Course Week | e Structu Hours | re Subject | Learning method | Attendance Forms | Evaluation method | | |
| 9. Course Week | e Structu Hours | re Subject Basic political | Learning method Explanation of the lecture with the | Attendance Forms Classroom | Evaluation method Exams | | |
| 9. Course Week First | e Structu Hours 2 | re Subject Basic political terminology | Learning method Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom | Evaluation method Exams | | |
| 9. Course Week First | e Structu Hours 2 | re Subject Basic political terminology | Learning method Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom | Evaluation method Exams | | |
| 9. Course Week First | e Structu Hours 2 2 | re Subject Basic political terminology The emergence of | Learning method Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom | Evaluation method Exams | | |
| 9. Course Week First | e Structu Hours 2 2 | re Subject Basic political terminology The emergence of the Baath Party in | Learning method Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom | Evaluation method Exams Exams | | |
| 9. Course Week First Second | e Structu Hours 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq | Learning methodExplanation of the lecture with the presence of means of illustrationExplanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom | Evaluation method Exams Exams | | |
| 9. Course Week First Second | e Structu Hours 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq | Learning method Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom | Evaluation method Exams Exams | | |
| 9. Course Week First Second | e Structu Hours 2 2 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq | Learning method Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom | Evaluation method Exams Exams Exams | | |
| 9. Course Week First Second Third | e Structu Hours 2 2 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq Types of crime | Learning method Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | |
| 9. Course Week First Second Third | e Structu Hours 2 2 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq Types of crime | Learning method Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | |
| 9. Course Week First Second Third | e Structu Hours 2 2 2 2 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq Types of crime | Learning method Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | |
| 9. Course Week First Second Third | e Structu Hours 2 2 2 2 2 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq Types of crime Causes and motives of the | Learning method Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | |
| 9. Course Week First Second Third Fourth | e Structu Hours 2 2 2 2 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq Types of crime Causes and motives of the crime | Learning method Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | |
| 9. Course Week First Second Third Fourth Fourth | e Structu Hours 2 2 2 2 2 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq Types of crime Causes and motives of the crime | Learning method Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | |
| 9. Course Week First Second Third Fourth | e Structu Hours 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq Types of crime Causes and motives of the crime Perpetrators of | Learning method Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration Explanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | |
| 9. Course Week First Second Third Fourth Fifth | e Structu Hours 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | re Subject Basic political terminology The emergence of the Baath Party in Iraq Types of crime Causes and motives of the crime Perpetrators of Baath regime | Learning methodExplanation of the lecture with the presence of means of illustrationExplanation of the lecture with the presence of means of illustrationExplanation of the lecture with the presence of means of illustrationExplanation of the lecture with the presence of means of illustrationExplanation of the lecture with the presence of means of illustrationExplanation of the lecture with the presence of means of illustrationExplanation of the lecture with the presence of means of illustration | Attendance Forms Classroom Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams Exams | | |

| | | | | 1 | | |
|--|----------|---|---|-----------|-------|--|
| Sixth | 2 | The United Nations' view of the crimes of the Baath regime | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | |
| Seventh | 2 | Human rights and crimes of the Baath regime | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | |
| Eighth | 2 | Human rights violations by the Baath regime | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | |
| Ninth | 2 | Military crimes | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | |
| Tenth | 2 | Political crimes | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | |
| Eleventh | 2 | Economic crimes | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | |
| Twelfth | 2 | Civil offenses | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | |
| Thirteenth | 2 | Social crimes | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | |
| Fourteenth | 2 | Genocide | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | |
| Fifteenth | 2 | Mass graves | Explanation of the lecture with the presence of means of illustration | Classroom | Exams | |
| 10. Cours | e Evalua | tion | | | | |
| Daily, monthly and final exams as well as weekly reports | | | | | | |
| 11. Learning and Teaching Resources | | | | | | |
| Textbooks | | | | | | |
| Main refere | ences | | | | | |
| Scientific r | esources | within the Internet | | | | |
| | | | | | | |

lower limbs orthosis manufacturing Course Description Form

| | \mathcal{C} 1 | | | | |
|------------------------------------|---|--|--|--|--|
| 1. Course Name | | | | | |
| ower limbs orthosis manufacturing | | | | | |
| 2. Course Code | | | | | |
| IPT206 | IPT206 | | | | |
| 3. Semester / Level | | | | | |
| Second /second | | | | | |
| 4. Description prepara | tion date | | | | |
| 2/2/2025 | | | | | |
| 5. Available attendance | e formats | | | | |
| Presence | Presence | | | | |
| 6. Number of Credit H | Iours (Total) / Number of Units (Total) | | | | |
| 120 / 8 | | | | | |
| 7. Course Objectives | | | | | |
| Objectives | 1-Efficiency in communicating with workers in the field of support industry and exchanging experiences 2-Emphasizing the knowledge and skill required to perform duties and responsibilities. Technician in prosthetics. Efficiently . 3-The ability to identify amputation areas and find the appropriate support for them 4-The ability to use molding and sculpting devices to achieve optimal manufacturing. | | | | |
| 8. Teaching and Learn | ing Strategies | | | | |
| Adequate explanation of the course | | | | | |

- Daily Tests
- Student groups

| 9. Co | 9. Course Structure | | | | | | |
|-------|---------------------|------------------------------|---|---------------------------|----------------------|--|--|
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method | | |
| 1 | 8 | History of Orthosis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | |
| 2 | 8 | Motor disability | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | |
| 3 | 8 | Foot deformities (F.O) | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | |
| 4 | 8 | Foot deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | |
| 5 | 8 | Foot deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | |

| Scie | Scientific resources within the Internet | | | | | | | |
|------|--|----------------------------|---|---------------------------|-------|--|--|--|
| Ma | in refere | nces | | | | | | |
| Tex | xtbooks | | | | | | | |
| 11. | Learning | and Teaching Re | sources | | | | | |
| Da | ily, mont | hly and final example | ns as well as weekly reports | | | | | |
| 10. | Course E | valuation | 1 | | 1 | | | |
| 15 | 8 | Exam | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 14 | 8 | Hip deformities HKFO | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 13 | 8 | Foot deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 12 | 8 | Foot deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 11 | 8 | knee deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 10 | 8 | Foot deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 9 | 8 | Foot deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 8 | 8 | Foot deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 7 | 8 | Ankle deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |
| 6 | 8 | Foot deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and Workshop | Exams | | | |

Upper limb orthosis Manufacturing Course Description Form

| 1. Course | e Name | | | | | | |
|---|--|---|----------------------------|--------------------|-------------------|--|--|
| Upper lim | o orthosis | s Manufacturing | | | | | |
| 2. Course | e Code | | | | | | |
| IPT 207 | | | | | | | |
| 3. Semes | ter / Lev | /el | | | | | |
| First /Seco | First /Second | | | | | | |
| 4. Descri | ption pre | eparation date | | | | | |
| 2/2/2025 | | | | | | | |
| 5. Availa | ble atten | dance formats | | | | | |
| Presence | | | | | | | |
| 6. Numb | er of Cre | dit Hours (Total) / Number of Units | (Total) | | | | |
| 120 / 8 | | | | | | | |
| 7. Course | e Objecti | ves | | | | | |
| Course Ob | Course Objectives The ability to understand the basic foundations and principles of how to design and manufacture upper limb orthotics, the ability to put problems into definition and find appropriate solutions, and encourage students to think creatively and invent new and innovative designs for upper limb orthotics. | | | | | | |
| 8. Teachi | ng and L | earning Strategies | | | | | |
| Ac Da Stu | lequate e aily Tests udent gro | explanation of the course s pups | | | | | |
| 9. Cour | se Struc | ture | T | | Evaluation | | |
| Week | Hours | Subject | method | Attendance Forms | method | | |
| First | 8 | Orthotic Device: A device designed to support, align, prevent, or correct deformities or to improve the function of movable parts of the body | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Second | 8 | Socket Design: The process of designing the interface between the residual limb and the orthotic socket. | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Third | 8 | Component Selection: Choosing the appropriate materials and components for constructing upper-limb orthotic devices | Theoretical + practical | Classroom+Workshop | Tests and reports | | |

Tests and reports

Classroom+Workshop

Theoretical

+ practical

Alignment: Ensuring the correct alignment of the orthotic components to optimize function

and comfort

8

Fourth

| Fifth | 8 | Suspension Systems: Mechanisms used to secure the orthotic device to the body, ensuring proper fit and function. | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
|--|--|---|----------------------------|--------------------|-------------------|--|--|
| Sixth | 8 | Prosthetic Joint: The artificial joint component of an orthotic device, designed to mimic the function of the natural joint. | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Seventh | 8 | Fabrication Techniques: Methods used to manufacture upper-limb orthotic components, such as casting and machining. | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Eighth | 8 | Gait Training: Teaching patients how to walk with their orthotic devices effectively and safely. | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Ninth | 8 | Exam | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Tenth | 8 | Socket Design | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Eleventh | 8 | Upper limb Orthosis | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Twelfth | 8 | Prosthetic Arm | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Thirteent | 8 | Orthotic Hand | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Fourteent | 8 | Biomechanics of A.k Prosthesis | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| Fifteenth | 8 | | Theoretical + practical | Classroom+Workshop | Tests and reports | | |
| 10. Cou | rse Eval | uation | | | | | |
| Daily, monthly and final exams as well as weekly reports | | | | | | | |
| 11. Lear | ning an | d Teaching Resources | | | | | |
| Textbook | S | | | | | | |
| Main refe | rences | | | | | | |
| Scientific | Scientific resources within the Internet | | | | | | |

Manufacturing of upper limbs prosthesis Course Description Form

| 1. Course Name | | | | |
|---|---|--|--|--|
| Manufacturing of upper limbs prosthesis | | | | |
| 2. Course Code | | | | |
| IPT 209 | | | | |
| 3. Semester / Level | | | | |
| First /second | | | | |
| 4. Description preparation date | | | | |
| 2/2/2025 | | | | |
| 5. Available attendance formats | | | | |
| Presence | | | | |
| 6. Number of Credit Hours (Total) / Number of | f Units (Total) | | | |
| 45 / 3 | | | | |
| 7. Course Objectives | | | | |
| Course Objectives | -1Competence in dealing with patients during the installation | | | |
| | of a hand or arm | | | |
| | -2 Proficiency in casting special molds and the hand carving | | | |
| | method | | | |
| | -3 The ability to interact with those specialized in the field of | | | |
| handicrafts | | | | |
| | 4- Distinguish between what is required, whether the case | | | |
| | requires an electronic or mechanical hand | | | |
| 8. Teaching and Learning Strategies | | | | |
| | | | | |

- Adequate explanation of the course
- Daily Tests
- Student groups

| 9. C | 9. Course Structure | | | | | | | |
|------|---------------------|------------------------------------|----------------------------|------------------------------|-------------------|--|--|--|
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method | | | |
| 1 | 3 | Cosmetic prosth. For partial. | Theoretical + practical | Classroom and Workshop | Tests and reports | | | |
| 2 | 3 | Cosmetic prosth. For partial | Theoretical + practical | Classroom and Workshop | Tests and reports | | | |
| 3 | 3 | Cosmetic prosth for blow elbow | Theoretical + practical | Classroom and Workshop | Tests and reports | | | |
| 4 | 3 | Cosmetic prosth for above elbow | Theoretical + practical | Classroom and Workshop | Tests and reports | | | |

| 5 | 3 | Cosmetic prosth for above elbow | Theoretical + practical | Classroom and Workshop | Tests and reports |
|----|---|--|----------------------------|------------------------------|-------------------|
| 6 | 3 | Cosmetic prosth for above elbow | Theoretical + practical | Classroom and Workshop | Tests and reports |
| 7 | 3 | Cosmetic prosth through shoulder | Theoretical + practical | Classroom and Workshop | Tests and reports |
| 8 | 3 | Cosmetic prosth through shoulder | Theoretical + practical | Classroom and Workshop | Tests and reports |
| 9 | 3 | Stump examination | Theoretical + practical | Classroom and Workshop | Tests and reports |
| 10 | 3 | Mechanical prosth. through' .wrist | Theoretical + practical | Classroom and Workshop | Tests and reports |
| 11 | 3 | Mechanical prosth. through below elbow | Theoretical + practical | Classroom and Workshop | Tests and reports |
| 12 | 3 | Mechanical prosth. through below elbow | Theoretical + practical | Classroom and Workshop | Tests and reports |
| 13 | 3 | Mechanical prosth. through below elbow | Theoretical + practical | Classroom and Workshop | Tests and reports |
| 14 | 3 | Mechanical prosth. through below elbow | Theoretical + practical | Classroom and Workshop | Tests and reports |
| 15 | 3 | Introduction about the myoelectric prosth. | Theoretical + practical | Classroom and Workshop | Tests and reports |

10. Course Evaluation

Daily, monthly and final exams as well as weekly reports

11. Learning and Teaching Resources

Textbooks

Main references

Scientific resources within the Internet

Anatomy of upper limbs and trunk Course Description Form

| 1. Course Name | | | | |
|---|--|--|--|--|
| Anatomy of upper limbs | and trunk | | | |
| 2. Course Code | | | | |
| IPT 212 | | | | |
| 3. Semester / Level | | | | |
| Second semester/second | level | | | |
| 4. Description preparati | ion date | | | |
| 2/2/2025 | | | | |
| 5. Available attendance | formats | | | |
| Presence | | | | |
| 6. Number of Credit Ho | ours (Total) / Number of Units (Total) | | | |
| 45/3 | | | | |
| 7. Course Objectives | | | | |
| Course Objectives | 1-The ability to use modern tools specialized in anatomy | | | |
| | -2 Proficiency in dealing with the structure of the arm through knowledge of the | | | |
| | smallest anatomical details. | | | |
| 3- The ability to develop appropriate solutions to the obstacles of installing the limb | | | | |
| on the arm | | | | |
| 8. Teaching and Learnin | ng Strategies | | | |
| Adequate explanation | ation of the course | | | |

- Daily Tests
- Student groups

| 9. Course Structure | | | | | |
|---------------------|-------|--|--|-----------------------------|----------------------|
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method |
| First | 3 | Introduction in anatomy and term of anatomy | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Second | 3 | Bone of Upper extremity- Clavicle bones | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Third | 3 | Bone of Scapula | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fourth | 3 | Bone of Humerus | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |
| Fifth | 3 | Bone of Ulna | Explanation of the lecture with the presence of means of illustration and practical application | Classroom and laboratory | Exams |

| | | 1 | | | |
|------------|----------|--|---|-----------------------------|--------|
| Sixth | 3 | Bone of Radius | Explanation of the lecture with the presence of means of illustration and | Classroom and laboratory | Exams |
| | | | practical application | | |
| | | | Explanation of the lecture | Classroom and | |
| | | | with the presence of | laboratory | Euroma |
| Seventh | 3 | Bones of Hand | means of illustration and | laboratory | Exams |
| | | | practical application | | |
| | 3 | The muscles of anterior border of Shoulder reign (origin, insertion and action) | Explanation of the lecture | Classroom and | |
| Eighth | | | with the presence of | laboratory | |
| | | | means of illustration and | laboratory | Exams |
| | | | means of indication and | | |
| | | The much of | Evaluation of the lecture | Classroom and | |
| | 3 | The muscles of | Explanation of the lecture | laboratory | _ |
| Ninth | | posterior border of | with the presence of | laboratory | Exams |
| | | Shoulder reign (origin, | means of illustration and | | |
| | | insertion and action) | practical application | <u> </u> | |
| | 3 | Revision | Explanation of the lecture | Classroom and | |
| Tenth | | | with the presence of | laboratory | Exams |
| 1 childi | | | means of illustration and | | |
| | | | practical application | | |
| Eleventh | 3 | Application in anatomical terms | Explanation of the lecture | Classroom and | |
| | | | with the presence of | laboratory | Exams |
| | | | means of illustration and | | |
| | | | practical application | | |
| Twelfth | 3 | Use the skeleton to show the Clavicle bone | Explanation of the lecture | Classroom and | |
| | | | with the presence of | laboratory | Exams |
| | | | means of illustration and | | |
| | | | practical application | | |
| | 3 | Use the skeleton to | Explanation of the lecture | Classroom and | |
| Thirteent | | show the Scapula bone | with the presence of | laboratory | Exams |
| Innteenti | | | means of illustration and | | |
| | | | practical application | | |
| Fourteent | 3 | Use the skeleton to | Explanation of the lecture | Classroom and | |
| | | | with the presence of | laboratory | Exams |
| rouncent | | show the Humerus bone | means of illustration and | | |
| | | | practical application | | |
| | 2 | Use the skeleton to | Explanation of the lecture | Classroom and | |
| Eifteenth | | show the Ulna hone | with the presence of | laboratory | Exams |
| rmeenui | 5 | show the Onia bone | means of illustration and | | |
| | | | practical application | | |
| 10. Cou | rse Eval | luation | | | |
| Daily, mo | onthly a | nd final exams as well as we | eekly reports | | |
| • • | - | | | | |
| 11. Lean | ning an | d Teaching Resources | | | |
| Textbook | S | • | | | |
| Main refe | rences | | | | |
| Scientific | resourc | es within the Internet | | | |

Locomotors Diseases Course Description Form

| 1. Course Name | | | | | | | | |
|--|--|---|---|-----------|--------|--|--|--|
| Locomotors Diseases | | | | | | | | |
| 2. Course Code | | | | | | | | |
| IPT 210 | | | | | | | | |
| 3. Semester / Level | | | | | | | | |
| first / second | | | | | | | | |
| 4. Description preparation date | | | | | | | | |
| 2/2/2025 | | | | | | | | |
| 5. Available attendance formats | | | | | | | | |
| Presence | ce | | | | | | | |
| 6. Nui | mber of (| Credit Hours (Total) / Number o | f Units (Total) | | | | | |
| 30/2 | | | | | | | | |
| 7. Cou | urse Obje | ctives | | | | | | |
| Course | Course Objectives The ability to interact with people in several fields within one specialty, the ability to puperblems into perspective and find appropriate solutions, the ability to use modern mean | | | | | | | |
| to reach appropriate treatment methods, and distinguish between diseases related to the limbs and not others by diagnosing them accurately | | | | | | | | |
| 8 Teaching and Learning Strategies | | | | | | | | |
| Adequate explanation of the course | | | | | | | | |
| • Daily Tests | | | | | | | | |
| • | Student | groups | | | | | | |
| | a . | | | | | | | |
| 9. Course Structure | | | | | | | | |
| Week | Hours | Subject | Learning method | Forms | method | | | |
| 1 | 2 | Introduction & clinical methods, Ankle & foot disorders : club foot, pes plans, pes cares | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 2 | 2 | Metatarsal lesions; metatarsalagia, Finger lesions : Hallux rigidus , hummer toe. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 3 | 2 | Knee lesions : Gemu varum , valgus , hyperextension, Hip lesions : CDH , pesrthe's disease | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 4 | 2 | Hip lesions : (cont.), Spines lesions: cervical & lumbar; Spin bifida, Kyphosis, Scoliosis, Torricelli's | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 5 | 2 | Rheumatoid arthritis & deformities , Ortheoarthritis & deformities | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |

| 6 | 2 | Revision, Metabolic disorders : DM, Scurvy & Rickets , | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
|-----|--|---|---|-----------|-------|--|--|--|
| 7 | 2 | Metabolic disorders : DM, Scurvy & Rickets, Short limb : causes, management in general | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 8 | 2 | Muscle atrophy : e.g poliomyelitis, Cerebral palsy | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 9 | 2 | Peripheral nerve lesion : Radial plexus inj, radial, ulnar N, Peripheral nerve lesion : & median | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 10 | 2 | Peripheral nerve lesion : sciatic N, pop N & tibialis, Peripheral nerve lesion | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 11 | 2 | Cervical prolapsed disc, Limber PID & sciatic a | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 12 | 2 | Surgical management in orthopeadic, Physiotherapy : in orthopedic | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 13 | 2 | Physiotherapy : in orthopedic, Manipulation treatment of orthopedic lesions | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 14 | 2 | The effect of orthosis [rules] in orthopedic, Protective orthosis | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 15 | 2 | Revision | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 10. | 10. Course Evaluation | | | | | | | |
| | Daily, monthly and final exams as well as weekly reports | | | | | | | |
| 11. | 11. Learning and Teaching Resources | | | | | | | |
| | Textbooks | | | | | | | |
| | Main references | | | | | | | |
| | Scientific resources within the Internet | | | | | | | |
Arabic Course Description Form

| 1. Course Name | | | | | | | |
|---|---|---|---|---------------------|----------------------|--|--|
| Arabic Lang | uage | | | | | | |
| 2. Course C | Code | | | | | | |
| NTU202 | | | | | | | |
| 3. Semester | r / Level | 1 | | | | | |
| Second / Sec | cond | | | | | | |
| 4. Descript | ion prepa | aration date | | | | | |
| 2/2/2025 | | | | | | | |
| 5. Availabl | e attenda | ance formats | | | | | |
| Attendance | on a wee | kly basis | | | | | |
| 6. Number | of Credi | t Hours (Total) / Num | ber of Units (Total) | | | | |
| 2/30 | | | | | | | |
| 7. Course (| Objective | es | | | | | |
| 8. Teaching | Introducing the Arab culture by understanding the rules and principles of the Arabic language and enabling students to master their Arabic language through the ability to write the correct texts and the appropriate expression of various situations and situations within their medical specialization. | | | | | | |
| AdecDailyStud | quate exp y Tests ent grou | planation of the course | | | | | |
| 9. Course | Structur | re | | | | | |
| Week | Hours | Subject | Learning method | Attendance Forms | Evaluation method | | |
| First | 2 | Language is human identity | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | |
| Second | 2 | The Arabic language and its origins | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | |
| Third2SyntaxExplanation of the lecture with the presence of means of illustration and practical applicationClassroomExams | | | | | | | |
| Fourth | 2 | Counting rules | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | |

| Fifth | 2 | The style of the condition in the Arabic language | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
|--------------|-----------|---|---|-----------|-------|
| Sixth | 2 | Dictation and writing | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Seventh | 2 | Punctuation | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Eighth | 2 | Calligraphy | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Ninth | 2 | Arabic literature | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Tenth | 2 | The merits of writing for Al-Jahiz | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Eleventh | 2 | Short Story (Tigers on the Tenth Day) | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Twelfth | 2 | The poem of the night lover by Nazik Al-Malaika | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Thirteenth | 2 | Study of Surat Al- Fajr | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fourteenth | 2 | T tied | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| Fifteenth | 2 | Communication in the language | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 10. Cours | e Evalua | ition | | | |
| Daily, mon | thly and | final exams as well as | weekly reports | | |
| 11. Learn | ing and ' | Teaching Resources | | | |
| Textbooks | | | | | |
| Main refere | ences | | | | |
| Scientific r | esources | within the Internet | | | |

Professional Ethics Course Description Form

| 1. Cou | 1. Course Name | | | | | | | | |
|---------------------|--|---|--|------------|------------|--|--|--|--|
| Professional Ethics | | | | | | | | | |
| 2. Cou | rse Code | | | | | | | | |
| NIU20 | NTU204 | | | | | | | | |
| 3. Sen | / Second | | | | | | | | |
| Second | / Second | monomation data | | | | | | | |
| 4. Des | 4. Description preparation date | | | | | | | | |
| 202372 | ilable att | randance formats | | | | | | | |
| J. Ava | | weekly basis | | | | | | | |
| 6 Nur | nber of (| Credit Hours (Total) / Number of Units (Total) | | | | | | | |
| $\frac{0.1}{2}$ | | real rious (rour) / rumber of omis (rour) | | | | | | | |
| 7 Cou | irse Ohie | ctives | | | | | | | |
| Course | 7. Course Objectives Course Objectives Identify the basic ethics of the profession for workers in medical specialties and qualify the graduate to deal professionally with his profession and achieve compatibility with himself and his professional environment (th patient, his companions, health workers and | | | | | | | | |
| 8. Tea | ching and | Learning Strategies | | | | | | | |
| • | Adequate explanation of the course Daily Tests Student groups | | | | | | | | |
| 9. C | ourse Str | ucture | | Attendance | Evaluation | | | | |
| Week | Hours | Subject | Learning method | Forms | method | | | | |
| 1 | 2 | Principles of professional ethics in the stages of civilizational developments. Principles of professional ethics in Arab and Islamic civilization. Etiquette of dealing with patients in hospitals since ancient times until now. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | | |
| 2 | 2 | Professional behavior: definition, concept, practical applications, relationship between employees and their superiors. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | | |
| 3 | | Basic ethics of the professionCharacteristics of professional ethics as a guide and guide for behavior.How to employ professional ethics from the professional ethics for the state of the | Explanation of the lecture with the presence of means of illustration and | Classroom | Exams | | | | |

| | 2 | individual and his emotions and his ability to make the appropriate decision. -Characteristics and qualities of health workers - Appearance, behavior and commitment. Moral and legal rights of the patient | practical application | | |
|----|---|--|--|-----------|-------|
| 4 | 2 | Behavioral / human - interactive - collective patterns. Its definition, nature, motives, interpretations, and factors affecting it. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 5 | 2 | Communication/linguistic and non- linguistic styles - Definition, types, effects, design of successful communication methods. - How communication styles affect behavior, listening and listening, and how to practice it with practical examples. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 6 | 2 | Behavioral attitudes and tendencies. - Definition, classification, factors affecting them, methods of measurement. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 7 | 2 | Values, customs and traditions. - Definition, classification, factors affecting them, methods of measurement. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 8 | 2 | Personality styles and how to deal with them. Definition of personality - types - relationship to the profession. Technician's personality and manifestations | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 9 | 2 | Conditions for improving mental health - Definition, factors affecting it, prevention of mental illness, the role of mental health in professional preparation. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 10 | 2 | Conditions of professional compatibility and associated employment relationship. - Concept, conditions, poor professional availability. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |

| 11 | 2 | Job description of the graduate's work | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
|----|---|--|--|-----------|-------|
| 12 | 2 | Behavioral dealing with the patient. Receiving the patient, dealing with him, gaining his trust and maintaining the secrets of the profession. Scheduling the requirements of the required procedure. Maintaining the patient's needs. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 13 | 2 | Behavioral handling of medical devices and equipment. Daily access to devices, tools, solutions and other requirements and preparing them for daily work, sustaining, maintaining and maintaining them.Preparing the necessary medicines for work and good disposition of them. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 14 | 2 | Occupational Safety -Prevention of work hazards and accidents.Prevention of the risks of bacterial, toxic and radioactive contamination.Preventionof thoughts of infection with infectious and communicable diseases. Avoid wrong practices in the field of work. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |
| 15 | 3 | Applications in professional conduct. Field visits to hospitals and other health institutions to view and exchange experience and information. | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams |

10. Course Evaluation

Daily, monthly and final exams as well as weekly reports

11. Learning and Teaching Resources

Textbooks

Main references

Scientific resources within the Internet

Statistics Course Description Form

| 1. Course 1 | Name | | | | | | | |
|--|---|---|---|--|---|--|--|--|
| Statistics | Statistics | | | | | | | |
| 2. Course (| Code | | | | | | | |
| TID205 | | | | | | | | |
| 3. Semeste | r / Level | | | | | | | |
| First / Secor | nd · | • | | | | | | |
| 4. Descript | ion prepa | aration date | | | | | | |
| 2025/2/2 | | C | | | | | | |
| 5. Availab | e attenda | ance formats | | | | | | |
| Attendance | on a wee | KIY DASIS | Number of Units (College) | | | | | |
| 6. Number | of Credi | t Hours (College) / | Number of Units (Conege) | | | | | |
| 2/30 7 Course (| Objective | 20 | | | | | | |
| 7. Course Course | Jujective | 28 | a Ability to deal with vari | ious statistical m | ethods and | | | |
| Course Ob | ectives | | • Addity to deal with val | within the field | of modical | | | |
| | | | their vital applications v | within the field | of medical | | | |
| | | | laboratories. | | | | | |
| 8 Teaching | and Lea | arning Strategies | | | | | | |
| o. Teaching | quate evr | alanation of the cou | rse | | | | | |
| • Auc | yuaie enj | | | | | | | |
| • Dall | y resis | | | | | | | |
| • Stud | ent grou | Student groups | | | | | | |
| Q. Course Structure | | | | | | | | |
| 9 Course | Structu | re | | | | | | |
| 9. Course | Structur | re | | Attendance | Evaluation | | | |
| 9. Course Week | e Structur Hours | re Subject | Learning method | Attendance Forms | Evaluation method | | | |
| 9. Course Week | e Structur Hours | re Subject | Learning method Explanation of the lecture with | Attendance Forms | Evaluation method | | | |
| 9. Course Week | Hours | re Subject Basic concepts | Learning method Explanation of the lecture with the presence of means of | Attendance Forms | Evaluation method Exams | | | |
| 9. Course Week First | e Structur Hours 2 | re Subject Basic concepts in mathematics | Learning method Explanation of the lecture with the presence of means of illustration and practical | Attendance Forms Classroom | Evaluation method Exams | | | |
| 9. Course Week First | e Structur Hours 2 | re Subject Basic concepts in mathematics | Learning method Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom | Evaluation method Exams | | | |
| 9. Course Week First | 2 2 | Basic concepts in mathematics | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with | Attendance Forms Classroom | Evaluation method Exams | | | |
| 9. Course Week First | 2 2 | re Subject Basic concepts in mathematics Division | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of | Attendance Forms Classroom | Evaluation method Exams Exams | | | |
| 9. Course Week First Second | 2 2 | re Subject Basic concepts in mathematics Division equation | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical | Attendance Forms Classroom Classroom | Evaluation method Exams Exams | | | |
| 9. Course Week First Second | 2 2 | re Subject Basic concepts in mathematics Division equation | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom | Evaluation method Exams Exams | | | |
| 9. Course Week First Second | 2 2 2 2 | re Subject Basic concepts in mathematics Division equation | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with | Attendance Forms Classroom Classroom | Evaluation method Exams Exams | | | |
| 9. Course Week First Second | 2 2 2 2 | re Subject Basic concepts in mathematics Division equation Purpose and | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of | Attendance Forms Classroom Classroom | Evaluation method Exams Exams Exams | | | |
| 9. Course Week First Second Third | 2 2 2 2 | re Subject Basic concepts in mathematics Division equation Purpose and continuity | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | | |
| 9. Course Week First Second Third | 2 2 2 2 | re Subject Basic concepts in mathematics Division equation Purpose and continuity | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | | |
| 9. Course Week First Second Third | 2 2 2 2 2 2 | re Subject Basic concepts in mathematics Division equation Purpose and continuity | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams | | | |
| 9. Course Week First Second Third | 2 2 2 2 2 2 | re Subject Basic concepts in mathematics Division equation Purpose and continuity Biostatistics | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical | Attendance Forms Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | | |
| 9. Course Week First Second Third Fourth | 2 2 2 2 2 2 | Subject Basic concepts in mathematics Division equation Purpose and continuity Biostatistics | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | | |
| 9. Course Week First Second Third Fourth | 2 2 2 2 2 | re Subject Basic concepts in mathematics Division equation Purpose and continuity Biostatistics | Learning method Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application Explanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | | |
| 9. Course Week First Second Third Fourth | 2 2 2 2 2 2 2 2 2 | Subject Basic concepts in mathematics Division equation Purpose and continuity Biostatistics | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams | | | |
| 9. Course Week First Second Third Fourth Fifth | 2 2 2 2 2 2 2 2 2 2 2 | Subject Basic concepts in mathematics Division equation Purpose and continuity Biostatistics Statistical concepts | Learning methodExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical applicationExplanation of the lecture with the presence of means of illustration and practical application | Attendance Forms Classroom Classroom Classroom Classroom Classroom | Evaluation method Exams Exams Exams Exams Exams | | | |

| Sixth | 2 | The concept of probability | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
|--|--|---|--|-----------|-------|--|--|--|
| Seventh | 2 | Calculation and counting techniques | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| Eighth | 2 | Probability distribution | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| Ninth | 2 | Frequency distribution table | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| Tenth | 2 | Measures of central tendency | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| Eleventh | 2 | Methods of data classification and tabulation | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| Twelfth | 2 | Derivative | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| Thirteenth | 2 | Derivative of Trigonometric Functions | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| Fourteenth | 2 | Integration | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| Fifteenth | 2 | Deviation and contrast | Explanation of the lecture with the presence of means of illustration and practical application | Classroom | Exams | | | |
| 10. Course Evaluation | | | | | | | | |
| Daily, monthly and final exams as well as weekly reports | | | | | | | | |
| 11. Learn | ing and 7 | Feaching Resources | | | | | | |
| Textbooks | | | | | | | | |
| Main refere | ences | | | | | | | |
| Scientific r | Scientific resources within the Internet | | | | | | | |