

Academic Program Description Form

Republic of Iraq

Ministry of Higher Education Scientific Research

Supervision and Scientific Evaluation Directorate

Quality Assurance and Academic Accreditation

.University: AL Furat AL Awsat technical university

Faculty :Samawa technical institute

Academic Program Specification name: Diploma

Academic system: course

Head of Department

Prof.Dr. Ali Anok Njum

Date: 31/3/2024

Dean Assistant for Scientific Affairs

Date : 31/3/2024

This file is checked by Quality Assurance And university Performance

Directed of the Quality Assurance And university Performance department

Date: 31/3/2024

Signature :

Approval of the dean

**Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department**



Academic Program and Course Description Guide

2024

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

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1. Program Vision

Providing graduates with the knowledge and experience necessary to be leaders in community and public health, and to have a positive impact at the global and local levels.

2. Program Mission

Achieving excellence in teaching and learning in the field of community health through the development and implementation of robust educational programs and research activities, leading to enhanced health care services and access to all members of the community.

3. Program Objectives

- 1- The department aims to graduate technical personnel in environmental health, occupational safety, inspection, health control, health survey, implementation of primary health care programs, carrying out health awareness campaigns, and operating and caring for special devices.
2. Preparing students to become community leaders in competence and professionalism in the field of community health.
3. Emphasizing the importance of health education in the educational and professional aspects to increase individual, family and community awareness towards achieving self-care.
4. Cooperating with public and private organizations in meeting the health needs of the community

4. Program Accreditation

Does the program have program accreditation? And from which agency?

5. Other external influences

According to the need of the labor market (the need of the Department of Health), the opinion of the labor market regarding the school curricula is taken

6. Program Structure

| Program Structure | Number of Courses | Credit hours | Percentage | Reviews* |
|--------------------------|-------------------|--------------|------------|----------|
| Institution Requirements | 1 | 2 | | |
| College Requirements | 4 | 9 | | |
| Department Requirements | 28 | 120 | | |
| Summer Training | | | | |
| Other | | | | |

* This can include notes whether the course is basic or optional.

| 7. Program Description | | | | |
|-------------------------------|----------------------------|--------------------------------|---------------------|------------------|
| Year/Level | Course Code | Course Name | Credit Hours | |
| | | | theoretical | practical |
| First | | Principles of Community Health | 2 | 3 |
| | | Fundamentals of Nursing 1 | 2 | 2 |
| | | General Anatomy 1 | 2 | 2 |
| | | Physiology 1 | 2 | 2 |
| | | Medical Microbiology 1 | 2 | 2 |
| | | Biostatic 1 | 2 | |
| | | Clinical Chemistry 1 | 1 | 3 |
| | | Computer Applications 1 | 1 | 2 |
| | | English Language | 1 | |
| | | Community Health | 2 | 3 |
| | | Fundamentals of Nursing 2 | 2 | 2 |
| | | General Anatomy 2 | 2 | 2 |
| | | Physiology 2 | 2 | 2 |
| | | Medical Microbiology 2 | 2 | 2 |
| | | Biostatic 2 | 2 | |
| | | Clinical Chemistry 2 | 1 | 3 |
| | | Computer Applications 2 | 1 | 2 |
| | Human Rights and Democracy | 2 | | |
| Second | | Community Health | 2 | 3 |
| | | Health Inspection 1 | 2 | 4 |
| | | Medicine & Surgery 1 | 2 | 4 |
| | | Health &Occupational Safety 1 | 2 | 3 |
| | | Epidemiology 1 | 2 | 2 |
| | | Environmental Health | 2 | 2 |
| | | Pharmacology 1 | 2 | 2 |
| | | International Health | 2 | 3 |
| | | Health Inspection 2 | 2 | 4 |
| | | Medicine & Surgery 2 | 2 | 4 |
| | | Health &Occupational Safety2 | 2 | 3 |
| | | Epidemiology 2 | 2 | 2 |
| | | Pharmacology 2 | 2 | 2 |
| | | Proposal | | 2 |
| | Professional Ethics | 2 | - | |

| 8. Expected learning outcomes of the program |
|--|
| Knowledge |
| A1- The student's knowledge of participating in health inspection and control teams and assisting in the laboratory investigation of the samples that were examined and matching them with medical conditions. |
| A1-- The doctor assists in diagnostic, nursing and therapeutic procedures |
| A3- Operate and care for the devices and machines used in diagnosis and treatment. |

A4- The graduate works within the health survey teams and health awareness campaigns
 A5- Enabling the student to learn how to implement primary health care programs
 A6- Enabling the student to learn and participate in special surveys, teams on communicable diseases and how to control them, and health awareness campaigns

Skills

B1 - Enabling the student to implement primary health care.
 B2 - Enabling the student to work in teams of special surveys with infectious diseases and how to control them
 B3 - Enabling the student to participate in the field of occupational safety and health.

9. Teaching and Learning Strategies

1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)
2. Practical application of theoretical vocabulary
3. Practical training in hospitals and primary health centers

10. Evaluation methods

- 1-Theoretical exam with papers
- 2- Oral questions and discussion of medical cases
- 3- Practical exam in the laboratory
- 4- Displaying models and films in (data show) and answering them by the student

11.Faculty

Faculty Members

| Academic Rank | Specialization | | Special Requirements/Skills (if applicable) | Number of the teaching staff | |
|-----------------|---------------------|-------------------|---|------------------------------|----------|
| | General | Special | | Staff | Lecturer |
| Assist prof. | Veterinary Medicine | microbiology | | 1 | |
| Lecturer | Chemistry | Organic Chemistry | | 1 | |
| Assist lecturer | Biology | Physiology | | 1 | |
| Assist lecturer | Engineering | Computer | | 1 | |

Professional Development

Mentoring new faculty members

His continuous enrollment in continuing education courses to develop his experience and skills
Change the workplace from time to time so that his work does not become routine and he acquires new skills in a new job

Invite some relevant professional institutions and coordinate student training (methodological training) and discuss training curricula and rely on daily evaluation

Updating the curriculum and continuous coordination with specialists in order to achieve the required level of study to benefit from its capabilities in this field.

Professional development of faculty members

12. Acceptance Criterion

According to the central acceptance plan

13. The most important sources of information about the program

Scientific methodological books in the field of specialization.

Specialized practical books

Websites of reputable and recognized international institutes and universities

14. Program Development Plan

Faculty members must be within the prescribed staff and according to the ratio of students to the number of faculty members. Efficiency must have a role to cover all curricula, and there must be the ability to manage the institute sufficiently to accommodate the levels of interaction, student guidance, counseling, and university, professional, and development service activities and interaction. With practitioners and professionals as well as employers.

- Holding development courses for graduates

| Program Skills Outline | | | | | | | | | | | | | | | |
|------------------------|----------------------------|--------------------------------|-------------------|------------------------------------|----|----|----|--------|----|----|----|--------|----|----|----|
| Year/Level | Course Code | Course Name | Basic or optional | Required program Learning outcomes | | | | | | | | | | | |
| | | | | Knowledge | | | | Skills | | | | Ethics | | | |
| | | | | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 |
| First | | Principles of Community Health | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Fundamentals of Nursing 1 | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | General Anatomy 1 | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Physiology 1 | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Medical Microbiology 1 | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Biostatic 1 | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Clinical Chemistry 1 | Assist | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Computer Applications 1 | Assist | . | . | . | . | . | . | . | . | . | . | . | . |
| | | English Language | General | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Community Health | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Fundamentals of Nursing 2 | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | General Anatomy 2 | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Physiology 2 | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Medical Microbiology 2 | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Biostatic 2 | Basic | . | . | . | . | . | . | . | . | . | . | . | . |
| | | Clinical Chemistry 2 | Assist | . | . | . | . | . | . | . | . | . | . | . | . |
| | Computer Applications 2 | Assist | . | . | . | . | . | . | . | . | . | . | . | . | |
| | Human Rights and Democracy | General | . | . | . | . | . | . | . | . | . | . | . | . | |
| Second | | Community Health | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Health Inspection 1 | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Medicine & Surgery 1 | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Health &Occupational Safety 1 | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Epidemiology 1 | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Environmental Health | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Pharmacology 1 | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | International Health | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Health Inspection 2 | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Medicine & Surgery 2 | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Health &Occupational Safety2 | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Epidemiology 2 | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Pharmacology 2 | Assist | . | . | . | . | . | . | . | . | . | . | . | |
| | | Proposal | Basic | . | . | . | . | . | . | . | . | . | . | . | |
| | | Professional Ethics | Assist | . | . | . | . | . | . | . | . | . | . | . | |
| | | Baath crimes | Assist | . | . | . | . | . | . | . | . | . | . | . | |

- Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

Course Description Form

| 1. Course Name: | | | | | |
|--|-------|---|--|---|-------------------|
| Principles of Community Health | | | | | |
| 2. Course Code: | | | | | |
| 3. Semester / Year: | | | | | |
| Semester first / 1 st year | | | | | |
| 4. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 5. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 5 hours / 5 units | | | | | |
| 7. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: hussien aziz | | | | | |
| 8. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> •To know the goals and strategies of the community health system. •Learn about the services and duties provided in primary health care centers •To know how to organize the family registry forms for pregnant women and children •To know the most important types of vaccines and ways to deal with them •To know health information and measures of health and illness | | | |
| 9. Teaching and Learning Strategies | | | | | |
| Strategy | | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 10. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Definition of community health and its objectives | Introduction to community health - Definition of community health - What does community health include - The goal of community health. | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Primary health care, its programs and goals | Primary health care primary health care | Giving a lecture and using explanations | Examinations |

| | | | | | |
|------|---|---|---|---|--------------|
| | | | programs - goals and strategies | | |
| 3 | 2 | Vaccines Immunity Vaccines, their types and methods of administration National vaccination schedule in Iraq | Vaccines Immunity Vaccines, their types and methods of administration National vaccination schedule in Iraq | Giving a lecture and using explanations | Examinations |
| 4 &5 | 2 | Maternal and child care services | Maternal and child care services | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Lactation and its types | Breastfeeding/its benefits for the mother and child - artificial feeding - and its disadvantages | Giving a lecture and using explanations | Examinations |
| 7 | 2 | Diarrhea in children | Diarrhea in children - its causes - types - how to avoid and prevent it | Giving a lecture and using explanations | Examination |
| 8 | 2 | Dehydration in children and its types | Dehydration in children - its types, signs, and how to avoid it | Giving a lecture and using explanations | Examinations |
| 9 | 2 | The importance of school health unit services within the health care center | The importance of school health unit services within the health care center | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Medical waste and how to deal with it | Medical waste and how to deal with it | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Pandemic influenza(Coronavirus -bird flu) | Pandemic influenza (Coronavirus - bird flu) | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Knowledge of some communicable diseases | Some communicable diseases (tuberculosis, paralysis) | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Knowledge of some communicable diseases | Some transmissible diseases (diphtheria, whooping cough, tetanus). | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Health and life statistics - sources of information collection | Health and life statistics The general method of health research - Births and deaths information | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Measures of health and disease: measures of births and deaths | Measures of health and disease: measures of births and deaths | Giving a lecture and using explanations | Examinations |

11.Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

12.Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | Principles of community health/Nazira Hussein |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | WWW.MEDSCAPE.COM |

Course Description Form

| | | | | | |
|--|--------------|---|--|---|--------------------------|
| 13.Course Name: | | | | | |
| Fundamentals of Nursing 1 | | | | | |
| 14.Course Code: | | | | | |
| 15.Semester / Year: | | | | | |
| Semester first / 1 st year | | | | | |
| 16.Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 17.Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 18.Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 19. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Mustafa hakem | | | | | |
| Email: | | | | | |
| 20.Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> Knowledge of nursing property Knowledge of vital signs, how to measure them, and laboratory tests Methods of administering and storing medications First aid | | | |
| 21.Teaching and Learning Strategies | | | | | |
| Strategy | | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 22. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | First aid in laboratories and Personal protective equipment , Fundamental of Nursing , definition (Nursing , Nurse, health, Hospital | First aid in laboratories and Personal protective equipment , Fundamental of Nursing , definition (Nursing , Nurse, health, Hospital | Giving a lecture and using explanations | Examinations |
| 2&3 | 2 | Administration & discharge of patient from hospital, pt.chart , oral report, written of report , Nursing process.(Assessing , | Administration & discharge of patient from hospital, pt.chart , oral report, written of report , Nursing process.(Assessing , | Giving a lecture and using explanations | Examinations |

| | | | | | |
|-------|---|--|--|---|--------------|
| | | planning , Implementation , Evaluation). | planning , Implementation , Evaluation . | | |
| 4&5 | 2 | Physical examination | Physical examination, prepare the pt. to exam, role of Nurse in physical examination , collection of sample ,prepare the equipment | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Position of patient, patient lifting and its risks | Position of patient, patient lifting and its risks. | Giving a lecture and using explanations | Examinations |
| 7&8 | 2 | Basic Needs of Pt. care of Pt. unit , bed making , personal hygiene patient bath, mouth and tooth care. Bed sores, care of sores, causes & prevention of bed sores | Basic Needs of Pt. care of Pt. unit , bed making , personal hygiene patient bath, mouth and tooth care. Bed sores, care of sores, causes & prevention of bed sores | Giving a lecture and using explanations | Examinations |
| 9&10 | 2 | Method of sterilization, surgical sterilization | Method of sterilization surgical sterilization , Medical sterilization , kind of disinfectant, | Giving a lecture and using explanations | Examination |
| 11&12 | 2 | Vital signs | Vital signs, Definition of Temperature, check Temperature, Type of check Temp- ,oral,axllia Rectal definition of fever , causes, signs, & symptom, Nursing care of pyrexia , pulse, definition, factors affecting of pulse , site of taking pulse, Nursing point in check , pulse Respiration , definition of respiration, definition of Blood pressure. definition of diastolic & systolic pressure. | Giving a lecture and using explanations | Examinations |
| 13&14 | 2 | Drug administration | Drug administration , define of drug Type of administration of medication , and Injection, {I.M,I.V.,S.c,I.D,} cold & hot. Compress, nose eyes & ears drops | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Giving fluid & Blood by intravenous infusion | Giving fluid & Blood by intravenous infusion, role of Nurse | Giving a lecture and using explanations | Examinations |

| | | | | | |
|--|--|--|--|--|--|
| | | | in giving intravenous infusion, Role of Nurse in giving blood transfusion the goal of blood transfusion , important notes in blood infusion. | | |
| 23.Course Evaluation | | | | | |
| Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc | | | | | |
| 24.Learning and Teaching Resources | | | | | |
| Required textbooks (curricular books, if any) | | | Principles of practical nursing foundations/Nazira Hussein of nursing phaeladelphia | | |
| Main references (sources) | | | Salwa Abbas - Principles of Nursing Foundations - Ministry of Health - Health Education Foundation 1995. -Fuerst fundamental | | |
| Recommended books and references (scientific journals, reports...) | | | Ahlam Farag, Elham Amin - Basic Principle Nursing - Ministry of Higher Education Scientific Research - 2986 | | |
| Electronic References, Websites | | | | | |

Course Description Form

| 25.Course Name: | | | | | |
|--|-------|---|---|---|-------------------|
| General Anatomy 1 | | | | | |
| 26.Course Code: | | | | | |
| | | | | | |
| 27.Semester / Year: | | | | | |
| Semester first / 1 st year | | | | | |
| 28.Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 29.Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 30.Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 31. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Duaa hadi | | | | | |
| Email: | | | | | |
| 32.Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> •General Goals : The students at the end of the Academic Year will have the ability to recognize all the parts of the human body anatomically . •Special Goals : The students will be able to : <ul style="list-style-type: none"> •He can correlate between the functions and the anatomy of each part of the body. •He can assist the medical doctor in diagnosis and treatment in some way , primarily and simply as necessary . | | | |
| 33.Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> • Delivering lectures using modern presentation methods, such as using the anatomy atlas 3D program • Direct questions, transferring the reality of the lecture from the theoretical to practical • Distributing students into groups to discuss specific topics | | | |
| 34. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Introduction and definition of anatomy | Introduction and definition of anatomy, surface anatomy of the body, anatomical position, median plane. | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Surface anatomy | Surface anatomy : planes and vertical lines | Giving a lecture and using explanations | Examinations |

| | | | | | |
|----|---|---|--|---|--------------|
| 3 | 2 | Tissues and cells : Types of cells | Tissues and cells : Types of cells which form different types of tissues , e.g. : epithelial, connective , muscular, nervous tissues . etc. | Giving a lecture and using explanations | Examinations |
| 4 | 2 | :Bone and joints types of bones, functions, parts of skeleton | Bone and joints : types of bones , functions of bones , parts of skeleton | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Skeleton of upper limb | Skeleton of upper limb : general anatomical appearance , skeleton of shoulder girdle : clavicle , scapula, humerus , radius, ulna , skeleton of the hand | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Skeleton of lower limb | Skeleton of lower limb general anatomical appearance, skeleton of the pelvis : hip bones : Ilium , pubis , ischium femur. Leg :tibia, fibula Skeleton of the fo | Giving a lecture and using explanations | Examination |
| 7 | 2 | Trunk skeleton | Trunk skeleton : thorax : sternum , ribs | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Skull : general appearance | Skull general appearance | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Cranium , lower jaw | Cranium , lower jaw | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Vertebral column : the types of vertebra of each part. | Vertebral column : the types of vertebra of each part. | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Joints : definition , types | Joints : definition , types | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Joints of upper and lower limb and trunk | Joints of upper and lower limb and trunk | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Muscular system : types of muscles , muscles of head and face , general information | Muscular system : types of muscles , muscles of head and face , general information | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Muscles of upper limb : limbo vertebral muscles , limbo thoracic muscles , muscles of | Muscles of upper limb : limbo vertebral muscles , limbo thoracic muscles , muscles of the shoulder | Giving a lecture and using explanations | Examinations |

| | | | | | |
|----|---|--|--|---|--------------|
| | | the shoulder , muscles of upper arm, muscles of hand | , muscles of upper arm, muscles of hand | | |
| 15 | 2 | Muscles of the lower limb : muscles of the iliac region , muscles of the gluteal region , muscles of thigh | Muscles of the lower limb : muscles of the iliac region , muscles of the gluteal region , muscles of thigh | Giving a lecture and using explanations | Examinations |

35.Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

36.Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | Principle of anatomy , Dr. Hani T. Al-Azawi , 4 th edition , 1988. |
| Main references (sources) | Principle of anatomy , Dr. Abdul-Rahman M. Abdul- Raheim & Dr. Ali K. |
| Recommended books and references (scientific journals, reports...) | Basic anatomy |
| Electronic References, Websites | WWW.MEDSCAPE.COM |

Course Description Form

| 37.Course Name: | | | | | |
|--|-------|---|---|---|-------------------|
| Physiology 1 | | | | | |
| 38.Course Code: | | | | | |
| | | | | | |
| 39.Semester / Year: | | | | | |
| Semester first / 1 st year | | | | | |
| 40.Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 41.Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 42.Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 43. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Ali musa | | | | | |
| Email: | | | | | |
| 44.Course Objectives | | | | | |
| Course Objectives | | 1- The student is able to know physiology of human body (Structure and functions) 2- The student is able to done more clinical examination that Related with physiology | | | |
| 45.Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> • Direct questions • Transferring the reality of the lecture from the theoretical to the practical • Distributing students into groups to discuss specific topics | | | |
| 46. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1&2 | 2 | Safety precautions from the hazards of laboratory materials, chemicals and .electricity Cells(Define – Types – Structures of cells) , Tissues (Define , Types , Structures of tissues) , Muscles (Define , Types , Structures of muscles) | Safety precautions from the hazards of laboratory materials, chemicals and .electricity Cells(Define – Types – Structures of cells) , Tissues (Define , Types , Structures of tissues) , Muscles (Define , Types , Structures of muscles) | Giving a lecture and using explanations | Examinations |
| 3&4 | 2 | Blood –Functions – properties composition –blood plasma –blood serum- Erythrocyte(proprieties –shapes-number – | Blood –Functions – properties composition –blood plasma –blood serum- Erythrocyte(proprieties –shapes-number – | Giving a lecture and using explanations | Examinations |

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|----|---|--|--|---|--------------|
| | | functions) production and degradation of blood cells | functions) production and degradation of blood cells | | |
| 5 | 2 | Leukocyte (Types – Shapes –number- functions) | Leukocyte (Types – Shapes –number- functions) | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Hemoglobin-functions – normal value- composition Platelets(number- functions) Coagulation of blood – anticoagulant | Hemoglobin-functions –normal value- composition Platelets(number- functions) Coagulation of blood – anticoagulant | Giving a lecture and using explanations | Examinations |
| 7 | 2 | Cardiovascular system –heart- structure of heart – function – cardiac valves- cardiac cycle – heart sounds | Cardiovascular system –heart- structure of heart – function – cardiac valves- cardiac cycle – heart sounds | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Blood vessels (arteries –veins-capillary blood vessels) properties – blood cycle (pulmonary &systemic | Blood vessels (arteries veins-capillary blood vessels) properties – blood cycle (pulmonary &systemic | Giving a lecture and using explanations | Examination |
| 9 | 2 | Blood pressure –normal value- factors effecting of blood pressure | Blood pressure – normal value- factors effecting of blood pressure | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Respiratory system – structure –expiration – inspiration – respiratory muscles – respiratory rate. | Respiratory system – structure –expiration – inspiration – respiratory muscles – respiratory rate. | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Pulmonary volume – pulmonary ventilation – regulation of gas exchange in blood by respiration. | Pulmonary volume – pulmonary ventilation – regulation of gas exchange in blood by respiration. | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Urinary system – structure – functions | Urinary system – structure – functions | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Functions of kidneys- composition of urine – cast and stone in urine normal | Functions of kidneys- composition of urine – cast and stone in urine normal | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Ear and eye (structure and functions) | Ear and eye (structure and functions) | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Skin (Define , Structures , Functions)s | Skin (Define , Structures , Functions)s | Giving a lecture and using explanations | Examinations |

47.Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

48.Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | Guyton, A. C. and Hall, J. E. 2006. Textbook of Medical Physiology. 11th Edition. Saunders, Philadelphia. USA. Bipin Kumar. 2001. Human Physiology. Campus Book International, New Delhi |
| Electronic References, Websites | |

Course Description Form

| 49.Course Name: | | | | | |
|--|-------|---|--------------------------|---|-------------------|
| Medical Microbiology 1 | | | | | |
| 50.Course Code: | | | | | |
| 51.Semester / Year: | | | | | |
| Semester first / 1 st year | | | | | |
| 52.Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 53.Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 54.Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 55. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Ali anok njum Email: alianjum@atu.edu.iq | | | | | |
| 56.Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • General objectives : • Student will be able to know a simple general idea about : • Pathogenes (Bacteria, fungi, parasites and viruses), the immunity and disease prevention • Special objectives : • Student will be able to : • To diagnose some simple cases in his field work, instead of specialest, when specielest is absent. • Do some tests in the labs. • Collect, preserve and transport the pathogenic samples. • Give an advice for disease prevention and control | | | |
| 57.Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> • Direct questions o Transferring the reality of the lecture from the theoretical to the practical • Distributing students into groups to discuss specific topics | | | |
| 58. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | History of microbiology, site of microorganism in the world of the living & the branches of microbiology. Biological hazards and | History of microbiology, | Giving a lecture and using explanations | Examinations |

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| | | how to deal with them, signs and warning signs in laboratories, Disposal of waste from workshops and medical laboratories, Disposal of medical laboratory waste. | | | |
| 2 | 2 | Bacterial morphology, bacterial cell structure. | Bacterial morphology, bacterial cell structure. | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Bacterial requirement, growth curve | Bacterial requirement, growth curve | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Controle of microorganisms | Controle of microorganisms | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Pathogenes of respiratory system. | Pathogenes of respiratory system. | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Pathogenes of digestive system. | Pathogenes of digestive system. | Giving a lecture and using explanations | Examination |
| 7 | 2 | Pathogenes of urinary and sexual systems | Pathogenes of urinary and sexual systems | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Food poisoning | Food poisoning | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Contamination of hospitals | Contamination of hospitals | Giving a lecture and using explanations | Examinations |
| 10 | 2 | General characters of fungi | General characters of fungi | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Fungi disease | Fungi disease | Giving a lecture and using explanations | Examinations |
| 12 | 2 | the viruses , shapes , sizes & some viral diseases | The viruses , shapes , sizes & some viral diseases | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Introduction of parasites. | Introduction of parasites. | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Protozoa , Entamoeba histolytica | Protozoa , Entamoeba histolytica | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Flagellates, Giardia . Trichomonase | Flagellates, Giardia . Trichomonase | Giving a lecture and using explanations | Examinations |

59.Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

| 60.Learning and Teaching Resources | |
|--|--|
| Required textbooks (curricular books, if any) | Michael J. Leboffe. (2002). Microbiology: Laboratory Theory & Application, Brief 3e 3rd Edition |
| Main references (sources) | Subhash Chandra Parija. 2012. Textbook of Microbiology and Immunology, 2 nd edition. Elsevier |
| Recommended books and references (scientific journals, reports...) | P.C. Trivedi, Sonali Pandey, Seema Bhaduria. 2010 TEXT BOOK OF MICROBIOLOGY. Aavishkar Publishers, Distributors. ISBN 978-81-7910-306-7. |
| Electronic References, Websites | |

Course Description Form

| 61.Course Name: | | | | | |
|--|-------|---|---|---|-------------------|
| Biostatic 1 | | | | | |
| 62.Course Code: | | | | | |
| | | | | | |
| 63.Semester / Year: | | | | | |
| Semester first / 1 st year | | | | | |
| 64.Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 65.Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 66.Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 2 hours / 2 units | | | | | |
| 67. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Amal saheb | | | | | |
| Email: | | | | | |
| 68.Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • Dealing with statistical data • Dealing with and knowing statistical and health metrics • Organizing the statistical form and health form related to daily incidents such as births, deaths, and diseases | | | |
| 69.Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> • Direct questions • Transferring the reality of the lecture from the theoretical to the practical • Distributing students into groups to discuss specific topics | | | |
| 70. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 2&1 | 2 | Introduction to statistics and its types <ul style="list-style-type: none"> • Samples • Variables • Classified and unclassified data. | Introduction to statistics and its types <ul style="list-style-type: none"> • Samples • Variables • Classified and unclassified data. | Giving a lecture and using explanations | Examinations |
| 4&3 | 2 | Representing frequency distributions for "classified data" <ul style="list-style-type: none"> - Graphical display methods (histogram, histogram, histogram, polygon) | Representing frequency distributions for "classified data" <ul style="list-style-type: none"> - Graphical display methods (histogram, histogram, histogram, polygon) | Giving a lecture and using explanations | Examinations |

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|--------------|---|--|--|---|--------------|
| 7&6&5 | 2 | Measures of central tendency - arithmetic mean - median - mode | Measures of central tendency - arithmetic mean - median - mode | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Methods of selecting statistical samples “its meaning and methods of selection” | Methods of selecting statistical samples “its meaning and methods of selection” | Giving a lecture and using explanations | Examinations |
| 10&9 | 2 | Preparing the questionnaire form for health and medical research | Preparing the questionnaire form for health and medical research | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Definition of health statistics and confiscation | Definition of health statistics and confiscation | Giving a lecture and using explanations | Examination |
| &12 14&13 | 2 | Life statistics: - The concept of ratio and rate - Death statistics - Birth statistics | Life statistics: - The concept of ratio and rate - Death statistics - Birth statistics | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Statistics of causes of death (medical certificate, cause, death, death certificate) | Statistics of causes of death (medical certificate, cause, death, death certificate) | Giving a lecture and using explanations | Examinations |

71.Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

72.Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | Adnan Shaker Al-Rubaie - Principles of statistics and its uses in the field of public health / Ministry of Health 1981 |
| Main references (sources) | Banderford Hill. Fundamental in Biostatistics 1975 F. Margrette -Fundamental in Public health |
| Recommended books and references (scientific journals, reports...) | W.DIXON and F. massey _ Introduction to statistical Analysis Paul G. Hoel _ Introduction to mathematical statistics. |
| Electronic References, Websites | |

Course Description Form

| 73.Course Name: | | | | | |
|--|-------|--|---|---|-------------------|
| Clinical Chemistry 1 | | | | | |
| 74.Course Code: | | | | | |
| 75.Semester / Year: | | | | | |
| Semester first / 1 st year | | | | | |
| 76.Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 77.Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 78.Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 79. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Ashwaq ouda | | | | | |
| Email: | | | | | |
| 80.Course Objectives | | | | | |
| Course Objectives | | 1) The student knows what clinical chemistry is, its principles and its importance in the field of medicine. 2) It measures the chemical components in the human body in the laboratory. | | | |
| 81.Teaching and Learning Strategies | | | | | |
| Strategy | | 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 82. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be available in laboratories . Safety precautions from the hazards of laboratory materials, chemicals and electricity. Chemical hazards and how to deal with them , Radiation hazards | Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be available in laboratories . Safety precautions from the hazards of laboratory materials, chemicals and electricity. Chemical hazards and how to deal with them , Radiation hazards and how to deal with them. | Giving a lecture and using explanations | Examinations |

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| | | and how to deal with them. | | | |
| 2 | 2 | Introduction to analytical chemistry - methods of expressing solution concentrations - molar concentration - standard concentration - percent concentration - methods of dilution and preparation of laboratory solutions | Introduction to analytical chemistry - methods of expressing solution concentrations - molar concentration - standard concentration - percent concentration - methods of dilution and preparation of laboratory solutions. | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Hydrogen concentration (pH) - the importance of the hydrogen concentration in the human body - the hydrogen concentration of the blood - buffer solutions - their properties and methods of preparation. | Hydrogen concentration (pH) - the importance of the hydrogen concentration in the human body - the hydrogen concentration of the blood - buffer solutions - their properties and methods of preparation. | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Analytical methods used in clinical chemistry laboratories - qualitative analysis - quantitative analysis - types of quantitative analysis | Analytical methods used in clinical chemistry laboratories - qualitative analysis - quantitative analysis - types of quantitative analysis | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Chromatography - Types of chromatography - Beer's law - Beer-Lambert's law - Standard solution | Chromatography - Types of chromatography - Beer's law - Beer-Lambert's law - Standard solution | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Definition of biochemistry - Definition of clinical chemistry - Body fluids and their importance in conducting clinical chemistry tests - Urine - Urine collection and methods of preservation - The formation of urine in | Definition of biochemistry - Definition of clinical chemistry - Body fluids and their importance in conducting clinical chemistry tests - Urine - Urine collection and methods of preservation - The formation of urine in the human body - Normal rate of urine excretion - Definition of | Giving a lecture and using explanations | Examination |

| | | | | | |
|----|---|--|--|---|--------------|
| | | the human body - Normal rate of urine excretion - Definition of excessive urine - Definition of poor urine - Definition of lack of urine | excessive urine - Definition of poor urine Definition of lack of urine | | |
| 7 | 2 | Natural and unnatural components of urine - general urine analysis - clinical importance - urinary system stones and their types - and the reasons for their formation | Natural and unnatural components of urine - general urine analysis - clinical importance - urinary system stones and their types - and the reasons for their formation | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Blood vessels (arteries –veins-capillary blood vessels) properties – blood cycle (pulmonary &systemic | Blood vessels (arteries –veins-capillary blood vessels) properties – blood cycle (pulmonary &systemic | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Blood pressure – normal value- factors effecting of blood pressure | Blood pressure – normal value- factors effecting of blood pressure | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Respiratory system – structure –expiration – inspiration – respiratory muscles – respiratory rate. | Respiratory system – structure –expiration – inspiration – respiratory muscles – respiratory rate. | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Pulmonary volume – pulmonary ventilation – regulation of gas exchange in blood by respiration. | Pulmonary volume – pulmonary ventilation – regulation of gas exchange in blood by respiration | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Urinary system – structure – functions | Urinary system – structure – functions | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Functions of kidneys- composition of urine – cast and stone in urine normal | Functions of kidneys- composition of urine – cast and stone in urine normal | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Ear and eye (structure and functions) | Ear and eye (structure and functions) | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Skin (Define , Structures , Functions) | Skin (Define , Structures , Functions) | Giving a lecture and using explanations | Examinations |

83.Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

84.Learning and Teaching Resources

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| Required textbooks (curricular books, if any) | Clinical Chemistry/Mohamed Fathi Al-Hawari/Technical Education Authority |
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|---|---|
| | General Chemistry / Saeeba Abdullah - Hanaa Salman - Maysoon Suleiman / Technical Education Authority |
| Main references (sources) | Clinical chemistry binding/Mohamed Ramzi Al-Omari/Technical Education Authority |
| Recommended books and references (scientific journals, reports...) | Guyton, A. C. and Hall, J. E. 2006. Textbook of Medical Physiology. 11th Edition. Saunders, Philadelphia. USA. – Bipin Kumar. 2001. Human Physiology. Campus Book International, New Delhi. |
| Electronic References, Websites | |

Course Description Form

| 85.Course Name: | | | | | |
|--|-------|--|---|---|-------------------|
| Computer Applications 1 | | | | | |
| 86.Course Code: | | | | | |
| | | | | | |
| 87.Semester / Year: | | | | | |
| Semester first / 1 st year | | | | | |
| 88.Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 89.Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 90.Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 3 hours / 3 units | | | | | |
| 91. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Hussien ali | | | | | |
| Email: | | | | | |
| 92.Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • The student must be able to deal with a computer, be familiar with its use, and understand how to use its software. | | | |
| 93.Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> • Delivering lectures using modern presentation methods • Direct questions, transferring the reality of the lecture from the theoretical to practical • Distributing students into groups to discuss specific topics | | | |
| 94. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Definition of computers: their generations - their components: hardware and software - (system software and application software). | Definition of computers: their generations - their components: hardware and software - (system software and application software). | Giving a lecture and using explanations | Examinations |
| 2 | 2 | ms-DOS operating system, the concept of the operating system - the system signal - the disks - the directories and their levels and files - or the internal operating system commands - INTERNAL COMMANDS - and the external | ms-DOS operating system, the concept of the operating system - the system signal - the disks - the directories and their levels and files - or the internal operating system commands - INTERNAL COMMANDS - and the external commands | Giving a lecture and using explanations | Examinations |

| | | | | | |
|-------|---|--|--|---|--------------|
| | | commands (hgh, hlv, the most frequently used commands). | (hgh, hlv, the most frequently used commands). | | |
| 3-12 | 2 | Internal commands: Dir-Del-time-Data- Cls-RD-CD-MD- Echo-Ren-Copy- Vol-Ver-Path | Internal commands: Dir-Del-time-Data-Cls- RD-CD-MD-Echo- Ren-Copy-Vol-Ver- Path | Giving a lecture and using explanations | Examinations |
| 13-15 | 2 | Windows operating system: The concept of the windows system - its advantages - and basic requirements - operating the system | Windows operating system: The concept of the windows system - its advantages - and basic requirements - operating the system | Giving a lecture and using explanations | Examinations |

95.Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

96.Learning and Teaching Resources

| | |
|--|--|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

| 97. Course Name: | | | | | |
|---|-------|--|--|---|-------------------|
| Human rights and democracy | | | | | |
| 98. Course Code: | | | | | |
| | | | | | |
| 99. Semester / Year: | | | | | |
| Semester first / 1 st year | | | | | |
| 100. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 101. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 102. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 2 hours / 2 units | | | | | |
| 103. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: saif saad | | | | | |
| Email: | | | | | |
| 104. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • The student learns about human principles, values, and rights, introduces them, and educates generations to respect and adhere to them. • Learn about general freedoms and what these freedoms are in their details | | | |
| 105. Teaching and Learning Strategies | | | | | |
| Strategy | | Delivering theoretical lectures, direct questions, | | | |
| 106. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Human rights - their definition - their goals | Human rights - their definition - their goals | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Human rights in divine laws, with a focus on human rights in Islam | Human rights in divine laws, with a focus on human rights in Islam | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab Human Rights Organizations). | Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab Human Rights Organizations). | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Human rights in the Iraqi constitutions between theory and | Human rights in the Iraqi constitutions between theory and | Giving a lecture and | Examinations |

| | | | | | |
|----|---|--|--|---|--------------|
| | | reality - The Iraqi Constitution | reality - The Iraqi Constitution | using explanations | |
| 5 | 2 | The relationship between human rights and public freedoms: • In the Universal Declaration of Human Rights • In regional charters and national constitutions | The relationship between human rights and public freedoms: • In the Universal Declaration of Human Rights • In regional charters and national constitutions | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Modern human rights: Economic, social, cultural, civil and political human rights | Modern human rights: Economic, social, cultural, civil and political human rights | Giving a lecture and using explanations | Examinations |
| 7 | 2 | Guarantees of respect and protection of human rights at the national and international levels. The role of non-governmental organizations in respecting and protecting human rights | Guarantees of respect and protection of human rights at the national and international levels. The role of non-governmental organizations in respecting and protecting human rights | Giving a lecture and using explanations | Examinations |
| 8 | 2 | The general theory of freedoms: the origin of rights and freedoms - the project's position on declared rights and freedoms - the use of the term freedoms | The general theory of freedoms: the origin of rights and freedoms - the project's position on declared rights and freedoms - the use of the term freedoms | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Equality: the historical development of the concept of equality: -The modern development of the idea of equality -Gender equality - equality between individuals according to their beliefs and race | Equality: the historical development of the concept of equality: -The modern development of the idea of equality -Gender equality - equality between individuals according to their beliefs and race | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Democracy - its definition - its types | Democracy - its definition - its types | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Democratic systems in the world | Democratic systems in the world | Giving a lecture and using explanations | Examinations |
| 12 | 2 | The crime of genocide | The crime of genocide | Giving a lecture and using explanations | Examinations |

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|-----------|----------|--|--|---|--------------|
| 13 | 2 | The concept of freedoms and the preservation of public freedoms: -Fundamental freedoms, intellectual freedoms, economic and social freedoms | The concept of freedoms and the preservation of public freedoms: -Fundamental freedoms, intellectual freedoms, economic and social freedoms | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Freedom of security and feeling of reassurance - freedom to come and go | Freedom of security and feeling of reassurance - freedom to come and go | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Freedom of education - freedom of the press Freedom of assembly - freedom of women | Freedom of education - freedom of the press Freedom of assembly - freedom of women | Giving a lecture and using explanations | Examinations |

107. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

108. Learning and Teaching Resources

| | |
|--|-----------------|
| Required textbooks (curricular books, if any) | Academic skills |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

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|---|--------------|---|--|---|--------------------------|
| 109. Course Name: | | | | | |
| Community Health | | | | | |
| 110. Course Code: | | | | | |
| 111. Semester / Year: | | | | | |
| Semester second / 1 st year | | | | | |
| 112. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 113. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 114. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 5 hours / 5 units | | | | | |
| 115. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Hussien aziz | | | | | |
| Email: | | | | | |
| 116. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> •To know the goals and strategies of the community health system. •Learn about the services and duties provided in primary health care centers •To know how to organize the family registry forms for pregnant women and children •To know the most important types of vaccines and ways to deal with them •To know health information and measures of health and illness | | | |
| 117. Teaching and Learning Strategies | | | | | |
| Strategy | | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 118. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | The disease, its causes, factors that affect the disease (causative, host, environment). | The disease, its causes, and factors affecting the occurrence of the disease (the epidemiological triad) | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Health education and its procedures | Health education and its procedures | Giving a lecture and using explanations | Examinations |

| | | | | | |
|----|---|---|---|---|--------------|
| 3 | 2 | Acute respiratory infections and their control | Acute respiratory infections and their control | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Nutrition and food - the basic elements of lunch and how they affect the structure, growth and development of the child - diseases of malnutrition | Nutrition and food - the basic elements of lunch and how they affect the structure, growth and development of the child - diseases of malnutrition | Giving a lecture and using explanations | Examinations |
| 5 | 2 | The concept of school health and mental health - the emergence of school health services | School health - services - goals - programs | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Objectives and importance of school health - development of school health systems | Objectives and importance of school health - development of school health systems | Giving a lecture and using explanations | Examinations |
| 7 | 2 | School health strategies, services and duties | School health strategies, services and duties | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Components of health, school health - conditions of the school environment - the importance of a healthy school relationship with society | Components of health, school health - conditions of the school environment - the importance of a healthy school relationship with society | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Nutrition and food - the basic elements of food and how they affect the structure, growth and development of the child - diseases of malnutrition | Procedures followed in inspecting the school environment - drinking water (general conditions - drawing and analyzing models) - sanitary facilities | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Initial examination procedures for new students (sight, hearing, speech, and physical examination (physical disabilities)) -Primary eye and dental care) | Initial examination procedures for new students (sight, hearing, speech, and physical examination (physical disabilities)) -Primary eye and dental care) | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Prevention and control of communicable diseases. -Principles of prevention - types of prevention | Prevention and control of communicable diseases. -Principles of prevention - types of prevention | Giving a lecture and using explanations | Examinations |

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|----|---|--|--|---|--------------|
| 12 | 2 | Some communicable diseases (mumps - measles - German measles) | Some communicable diseases (mumps - measles - German measles) | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Some sexually transmitted diseases (AIDS - viral hepatitis type B) - symptoms - prevention - treatment | Some sexually transmitted diseases (AIDS - viral hepatitis type B) - symptoms - prevention - treatment | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Health and disease measures - disease incidence rate - disease spread rate | Health and disease measures - disease incidence rate - disease spread rate | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Health administration introduction and objectives | Objectives of health administration | Giving a lecture and using explanations | Examinations |

119. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

120. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | Principles of community health/Nazira Hussein |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | WWW.MEDSCAPE.COM |

Course Description Form

| | | | | | |
|---|--------------|---|---|---|--------------------------|
| 121. Course Name: | | | | | |
| Fundamentals of Nursing 2 | | | | | |
| 122. Course Code: | | | | | |
| 123. Semester / Year: | | | | | |
| Semester second / 1 st year | | | | | |
| 124. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 125. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 126. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 127. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Mustafa hakem | | | | | |
| Email: | | | | | |
| 128. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> Knowledge of nursing property Knowledge of vital signs, how to measure them, and laboratory tests Methods of administering and storing medications First aid | | | |
| 129. Teaching and Learning Strategies | | | | | |
| Strategy | | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 130. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Role of Nurse in giving blood transfusion the goal of blood transfusion , important notes in blood infusion. | Role of Nurse in giving blood transfusion the goal of blood transfusion , important notes in blood infusion . | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Inhalation & oxygen, method of giving oxygen, goals, nursing observations during giving oxygen . | Inhalation & oxygen, method of giving oxygen, goals, nursing observations during giving oxygen . | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Nasogastric feeding, nursing procedures and nursing care, gastric | Nasogastric feeding, nursing procedures and nursing care, gastric lavage, definition, | Giving a lecture and using explanations | Examinations |

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| | | lavage, definition, goals, nursing care during gastric lavage | goals, nursing care during gastric lavage | | |
| 4 | 2 | Urinary catheterization, definition, goals, nursing observations, enema, definition, goals, nursing observations. | . Urinary catheterization, definition, goals, nursing observations, enema, definition, goals, nursing observations. | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Pre & post-operative nursing care nursing care in recovery room, complications after surgery (bleeding, wound contamination, embolus, constipation | Pre & post-operative nursing care nursing care in recovery room, complications after surgery (bleeding, wound contamination, embolus, constipation | Giving a lecture and using explanations | Examinations |
| 6 | 2 | First aid, goals, general principles in first aid. | , First aid, goals, general principles in first aid. | Giving a lecture and using explanations | Examination |
| 7 | 2 | First aid of wounds, types of wounds (open close) wounds contamination, signs and symptoms of wound infection treatment procedures . | First aid of wounds, types of wounds (open, close) wounds contamination, signs and symptoms of wound infection treatment procedures. . | Giving a lecture and using explanations | Examinations |
| 8 | 2 | First aid in bleeding, definition, types of bleeding (arterial, venous capillary) first aid of all types of bleeding, Epitasis, definition, first aid and nursing procedures. | First aid in bleeding, definition, types of bleeding (arterial, venous capillary) first aid of all types of bleeding, Epitasis, definition, first aid and nursing procedures .. | Giving a lecture and using explanations | Examinations |
| 9 | 2 | First aid of shock, definition, types of shock (neurogenic, psychiatric, toxic, anaphylactic, cardiogenic.) | First aid of shock, definition, types of shock (neurogenic, psychiatric, toxic, anaphylactic, cardiogenic. .) | Giving a lecture and using explanations | Examinations |
| 10 | 2 | First aid in fractures, definition, types of fractures ,signs and symptoms, complications, nursing care for patient treated by splint . | First aid in fractures, definition, types of fractures ,signs and symptoms, complications, nursing care for patient treated by splint. | Giving a lecture and using explanations | Examinations |
| 11 | 2 | First aid of burns, definition, types and | First aid of burns, definition, types and | Giving a lecture and using explanations | Examinations |

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| | | degree of burns, complications . | degree of burns, complications . | | |
| 12 | 2 | First aid of poison and poisoning, definition, sign and symptoms, types of poisons, general principles in poisoning treatment of poisoning. | First aid of poison and poisoning, definition, sign and symptoms, types of poisons, general principles in poisoning treatment of poisoning. . | Giving a lecture and using explanations | Examinations |
| 13 | 2 | First aid of asphyxia, definition, signs and symptoms of asphyxia, drowning, definition, signs and symptoms of drowning, first aid for drowning person. | First aid of asphyxia, definition, signs and symptoms of asphyxia, drowning, definition, signs and symptoms of drowning, first aid for drowning person . | Giving a lecture and using explanations | Examinations |
| 14 | 2 | First aid of cardiac arrest and respiration failure, definition of artificial respiration, types (mouth to mouth, Schafer's method .) | First aid of cardiac arrest and respiration failure, definition of artificial respiration, types (mouth to mouth, Schafer's method. .) | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Cardiac arrest, signs, cardiac massage and nursing procedures during cardiac massage | Cardiac arrest, signs, cardiac massage and nursing procedures during cardiac massage. | Giving a lecture and using explanations | Examinations |

131. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

132. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | Principles of practical nursing foundations/Nazira Hussein of nursing phaeladelphia |
| Main references (sources) | Salwa Abbas - Principles of Nursing Foundations - Ministry of Health - Health Education Foundation 1995. -Fuerst fundamental |
| Recommended books and references (scientific journals, reports...) | Ahlam Farag, Elham Amin - Basic Principle Nursing - Ministry of Higher Education Scientific Research - 2986 |
| Electronic References, Websites | |

Course Description Form

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|---|--------------|---|---|---|--------------------------|
| 133. Course Name: | | | | | |
| General Anatomy 2 | | | | | |
| 134. Course Code: | | | | | |
| 135. Semester / Year: | | | | | |
| Semester second / 1 st year | | | | | |
| 136. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 137. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 138. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 139. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Duaa hadi | | | | | |
| Email: | | | | | |
| 140. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> •General Goals : The students at the end of the Academic Year will have the ability to recognize all the parts of the human body anatomically . •Special Goals : The students will be able to : •He can correlate between the functions and the anatomy of each part of the body. •He can assist the medical doctor in diagnosis and treatment in some way , primarily and simply as necessary . | | | |
| 141. Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> • Delivering lectures using modern presentation methods, such as using the anatomy a 3D program • Direct questions, transferring the reality of the lecture from the theoretical to the practical • Distributing students into groups to discuss specific topics | | | |
| 142.Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Muscles of leg and foot | Muscles of leg and foot | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Muscles of the trunk | Muscles of the trunk , muscles of the thorax (superficial and deep) , muscles of the abdomen , muscles of the back . | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Nervous system :brain , cerebrum , cerebellum , | Nervous system :brain , cerebrum , cerebellum , brain stem | Giving a lecture and using explanations | Examinations |

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|----|---|--|---|---|--------------|
| 4 | 2 | Spinal cord , ventricles of the brain | Spinal cord ventricles of the brain | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Peripheral nervous system , cranial nerves numbers and functions | Peripheral nervous system , cranial nerves and numbers functions | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Spinal nerves | Spinal nerves | Giving a lecture and using explanations | Examination |
| 7 | 2 | Autonomic nervous system , parts and functions | Autonomic nervous system , parts and functions | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Digestive system | Digestive system : mouth and accessories Pharynx oesophagus , stomach | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Cardio- vascular system, Blood vessels in general | Cardio- vascular system, Blood vessels in general | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Blood and heart | Blood and heart | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Veins and arteries , systemic circulation arteries , thoracic aorta | Veins and arteries , systemic circulation arteries , thoracic aorta | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Abdominal aorta and its branches | Abdominal aorta and its branches | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Veins of the systemic circulation , veins of the lower limb , veins of the abdomen | Veins of the systemic circulation , veins of the lower limb , veins of the abdomen | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Veins of the head and neck , applied points , veins and arteries , pulmonary circulation | Veins of the head and neck , applied points , veins and arteries , pulmonary circulation | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Lymphatic system and respiratory system | Lymphatic system and respiratory system | Giving a lecture and using explanations | Examinations |

143. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

144. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | Principle of anatomy , Dr. Hani T. Al-Azawi , 4 th edition , 1988. |
| Main references (sources) | Principle of anatomy , Dr. Abdul-Rahman M. Abdul- Raheim & Dr. Ali K. |
| Recommended books and references (scientific journals, reports...) | Basic anatomy |
| Electronic References, Websites | WWW.MEDSCAPE.COM |

Course Description Form

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|---|--------------|---|--|---|--------------------------|
| 145. Course Name: | | | | | |
| Physiology 2 | | | | | |
| 146. Course Code: | | | | | |
| 147. Semester / Year: | | | | | |
| Semester second / 1 st year | | | | | |
| 148. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 149. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 150. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 151. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Ali Musa | | | | | |
| Email: | | | | | |
| 152. Course Objectives | | | | | |
| Course Objectives | | 1- The student is able to know physiology of human body (Structure and functions) 2- The student is able to done more clinical examination that Related with physiology | | | |
| 153. Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> Direct questions Transferring the reality of the lecture from the theoretical to the practical Distributing students into groups to discuss specific topics | | | |
| 154. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Digestive system – Parts of it. | Digestive system – Parts of it. | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Stages of digestion (Oral , Stomach , Intestine). and digestives enzymes. | Stages of digestion (Oral , Stomach , Intestine). and digestives enzymes. | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Intestinal functions and absorption. | Intestinal functions and absorption. | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Digestive system glands (salivary glands , pancreas- Liver) structure -Functions. . | Digestive system glands (salivary glands , pancreas- Liver) structure - Functions. . | Giving a lecture and using explanations | Examinations |

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|-------|---|---|---|---|--------------|
| 5 | 2 | Gallbladder – structures and functions | Gallbladder – structures and functions | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Stool formation | Stool formation | Giving a lecture and using explanations | Examination |
| 7&8 | 2 | Nervous system – structure – functions Central nervous system –peripheral nervous system | Nervous system – structure – functions Central nervous system –peripheral nervous system | Giving a lecture and using explanations | Examinations |
| 9 | 2 | The brain and spinal cord | The brain and spinal cord | Giving a lecture and using explanations | Examinations |
| 10&11 | 2 | Different area in brain which responsible for sense, movement, hearing, smell , taste ,sight. . . | Different area in brain which responsible for sense, movement, hearing, smell , taste ,sight. . . | Giving a lecture and using explanations | Examinations |
| 12&13 | 2 | Endocrine glands (types and functions) | Endocrine glands (types and functions) | Giving a lecture and using explanations | Examinations |
| 14&15 | 2 | Reproductive system (male and female) structure and functions | Reproductive system (male and female) structure and functions | Giving a lecture and using explanations | Examinations |

155. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

156. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | Guyton, A. C. and Hall, J. E. 2006. Textbook of Medical Physiology. 11th Edition. Saunders, Philadelphia. USA. Bipin Kumar. 2001. Human Physiology. Campus Book International, New Delhi |
| Electronic References, Websites | |

Course Description Form

| 157. Course Name: | | | | | |
|---|-------|--|-----------------------------------|---|-------------------|
| Medical Microbiology 2 | | | | | |
| 158. Course Code: | | | | | |
| 159. Semester / Year: | | | | | |
| Semester second / 1 st year | | | | | |
| 160. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 161. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 162. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 163. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Ali Anok | | | | | |
| Email: | | | | | |
| 164. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> General objectives : Student will be able to know a simple general idea about : Pathogenes (Bacteria, fungi, parasites and viruses), the immunity and disease prevention Special objectives : Student will be able to : To diagnose some simple cases in his field work, instead of specialest, when specielest is absent. Do some tests in the labs. Collect, preserve and transport the pathgenic samples. Give an advice for disease prevention and control | | | |
| 165. Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> Direct questions o Transferring the reality of the lecture from the theoretical to the practical Distributing students into groups to discuss specific topics | | | |
| 166. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Blood flagellates, Leishmania | Blood flagellates, Leishmania | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Sporozoa, Plasmodium , Toxoplasma | Sporozoa, Plasmodium , Toxoplasma | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Helimenthes , Taenia. | Helimenthes , Taenia. | Giving a lecture and using explanations | Examinations |

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|----|---|-------------------------------|-------------------------------|---|--------------|
| 4 | 2 | Echinococcus granulosus | Echinococcus granulosus | Giving a lecture and using explanations | Examinations |
| 5 | 2 | . Hymenolipes nana | . Hymenolipes nana | Giving a lecture and using explanations | Examinations |
| 6 | 2 | . Trematoda helminthes. | . Trematoda helminthes | Giving a lecture and using explanations | Examination |
| 7 | 2 | Trepanoma ,Schistosomes | Trepanoma ,Schistosomes | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Bacterial genetics | Bacterial genetics | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Immunity and immune system | Immunity and immune system | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Antibody &antigen | Antibody &antigen | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Antibody &antigen reactions. | Antibody &antigen reactions. | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Hypersensitivity. | Hypersensitivity. | Giving a lecture and using explanations | Examinations |
| 13 | 2 | . Autoimmune diseases | . Autoimmune diseases | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Discussion of course material | Discussion of course material | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Discussion of course material | Discussion of course material | Giving a lecture and using explanations | Examinations |

167. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

168. Learning and Teaching Resources

| | |
|--|--|
| Required textbooks (curricular books, if any) | Michael J. Leboffe. (2002). Microbiology: Laboratory Theory & Application, Brief 3e 3rd Edition |
| Main references (sources) | Subhash Chandra Parija. 2012. Textbook of Microbiology and Immunology, 2 nd edition. Elsevier |
| Recommended books and references (scientific journals, reports...) | P.C. Trivedi, Sonali Pandey, Seema Bhadauria. 2010. TEXT BOOK OF MICROBIOLOGY. Aavishkar Publishers, Distributors. ISBN 978-81-7910-306-7. |
| Electronic References, Websites | |

Course Description Form

| 169. Course Name: | | | | | |
|---|-------|---|---|---|-------------------|
| Biostatic 2 | | | | | |
| 170. Course Code: | | | | | |
| 171. Semester / Year: | | | | | |
| Semester second / 1 st year | | | | | |
| 172. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 173. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 174. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 2 hours / 2 units | | | | | |
| 175. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Amal saheb | | | | | |
| Email: | | | | | |
| 176. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> Dealing with statistical data Dealing with and knowing statistical and health metrics Organizing the statistical form and health form related to daily incidents such as births, deaths, and diseases | | | |
| 177. Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> Direct questions Transferring the reality of the lecture from the theoretical to the practical Distributing students into groups to discuss specific topics | | | |
| 178. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 2&1 | 2 | Scientific research (the purpose of the research and what are the ambitions regarding procedures) | Scientific research (the purpose of the research and what are the ambitions regarding procedures) | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Ethics of scientific research | Ethics of scientific research | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Structure of scientific research | Structure of scientific research | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Types of statistical studies | Types of statistical studies | Giving a lecture and using explanations | Examinations |
| 7&6 | 2 | Basics of research (statistical method) -Data collection technology | Basics of research (statistical method) -Data collection technology | Giving a lecture and using explanations | Examinations |

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|--------|---|--|--|---|--------------|
| | | -Data collection plan -data analysis -Testing and ethical considerations | -Data collection plan -data analysis -Testing and ethical considerations | | |
| 8&9&10 | 2 | Preparing a questionnaire form | Preparing a questionnaire form | Giving a lecture and using explanations | Examination |
| 11 | 2 | How to transcribe questionnaires and convert them into classified statistical data | How to transcribe questionnaires and convert them into classified statistical data | Giving a lecture and using explanations | Examinations |
| 13&12 | 2 | How to start scientific research (choosing the title, objectives, type of samples) | How to start scientific research (choosing the title, objectives, type of samples) | Giving a lecture and using explanations | Examinations |
| 14&15 | 2 | Some applications used in scientific research | Some applications used in scientific research | Giving a lecture and using explanations | Examinations |

179. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

180. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | Adnan Shaker Al-Rubaie - Principles of statistics and its uses in the field of public health / Ministry of Health 1981 |
| Main references (sources) | Banderford Hill. Fundamental in Biostatistics 1975 F. Margrette -Fundamental in Public health |
| Recommended books and references (scientific journals, reports...) | W.DIXON and F. massey _ Introduction to statistical Analysis Paul G. Hoel _ Introduction to mathematical statistics. |
| Electronic References, Websites | |

Course Description Form

| | | | | | |
|---|--------------|---|---|---|--------------------------|
| 181. Course Name: | | | | | |
| Clinical Chemistry 2 | | | | | |
| 182. Course Code: | | | | | |
| | | | | | |
| 183. Semester / Year: | | | | | |
| Semester second / 1 st year | | | | | |
| 184. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 185. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 186. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 187. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Ashwaq ouda | | | | | |
| Email: | | | | | |
| 188. Course Objectives | | | | | |
| Course Objectives | | 1) The student knows what clinical chemistry is, its principles and its importance in the field of medicine. 2) It measures the chemical components in the human body in the laboratory. | | | |
| 189. Teaching and Learning Strategies | | | | | |
| Strategy | | 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 190. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Triglycerides - types of triglycerides - their clinical significance. | Triglycerides - types of triglycerides - their clinical significance. | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Proteins - protein structure - amino acids - properties of amino acids - union of amino acids to form protein - peptide bond - Zwitter ion. | Proteins - protein structure - amino acids - properties of amino acids - union of amino acids to form protein - peptide bond - Zwitter ion. | Giving a lecture and using explanations | Examinations |
| 3 | 2 | . Classification of proteins in the human body - insoluble proteins - soluble proteins - blood plasma | . Classification of proteins in the human body - insoluble proteins - soluble proteins - blood plasma proteins - serum proteins - functions and | Giving a lecture and using explanations | Examinations |

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|-----|---|---|---|---|--------------|
| | | proteins - serum proteins - functions and المتحانات importance of proteins in the human body - clinical significance of total protein in serum | المتحانات importance of proteins in the human body - clinical significance of total protein in serum | | |
| 4 | 2 | Techniques used to separate different types of blood proteins - Electrophoresis of serum proteins - Factors affecting the electrophoresis process - Types of supporting media - Separation method - Methods for reading the results | Techniques used to separate different types of blood proteins - Electrophoresis of serum proteins - Factors affecting the electrophoresis process - Types of supporting media - Separation method - Methods for reading the results | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Non-protein nitrogen compounds - their types in the human body - uric acid - the biosynthesis of uric acid - the clinical importance of uric acid - urea - the biosynthesis of urea - the clinical importance of urea | Non-protein nitrogen compounds - their types in the human body - uric acid - the biosynthesis of uric acid - the clinical importance of uric acid - urea - the biosynthesis of urea - the clinical importance of urea | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Creatine - Creatine biosynthesis - Clinical significance of creatine - Creatinine - Creatinine biosynthesis - Clinical significance of creatinine - Creatinine clearance test | Creatine - Creatine biosynthesis - Clinical significance of creatine - Creatinine - Creatinine biosynthesis - Clinical significance of creatinine - Creatinine clearance test | Giving a lecture and using explanations | Examination |
| 7&8 | 2 | Liver function tests - liver - liver function - clinical signs of liver disease - bilirubin - biosynthesis and fate of bilirubin | Liver function tests - liver - liver function - clinical signs of liver disease - bilirubin - biosynthesis and fate of bilirubin | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Jaundice - types of jaundice - pigment excretion in different cases of jaundice - liver function tests | Jaundice - types of jaundice - pigment excretion in different cases of jaundice - liver function tests | Giving a lecture and using explanations | Examinations |

| | | | | | |
|----|---|--|--|---|--------------|
| 10 | 2 | Enzymes - Functions of enzymes in the body - Classification of enzymes - Factors affecting the work of enzymes - The basic substance on which the enzyme works - How does an enzyme work - GOT & GPT enzymes - Properties and function of each and its clinical importance | Enzymes - Functions of enzymes in the body - Classification of enzymes - Factors affecting the work of enzymes - The basic substance on which the enzyme works - How does an enzyme work - GOT & GPT enzymes - Properties and function of each and its clinical importance | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Alkaline phosphatase and acid phosphatase - properties, functions and clinical significance of each | Alkaline phosphatase and acid phosphatase - properties, functions and clinical significance of each | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Amylase and lipase - properties, functions and clinical significance of each | Amylase and lipase - properties, functions and clinical significance of each | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Vitamins - their classification - Vitamins (A - B - C - D) their respective functions - and their sources | Vitamins - their classification - Vitamins (A - B - C - D) their respective functions - and their sources | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Hormones - nature of hormones - their functions - some important hormones and their functions and the gland producing each of them | Hormones - nature of hormones - their functions - some important hormones and their functions and the gland producing each of them | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Introduction to PCR technique (Polymerase chain reaction) - definition - importance - uses | Introduction to PCR technique (Polymerase chain reaction) - definition - importance - uses | Giving a lecture and using explanations | Examinations |

191. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

192. Learning and Teaching Resources

| | |
|---|---|
| Required textbooks (curricular books, if any) | Clinical Chemistry/Mohamed Fathi Al-Hawari/Technical Education Authority General Chemistry / Saeeba Abdullah - Hanaa Salman - Maysoon Suleiman / Technical Education Authority |
|---|---|

| | |
|--|--|
| Main references (sources) | Clinical chemistry binding/Mohamed Ramzi Al-Omari/Technical Education Authority |
| Recommended books and references (scientific journals, reports...) | Guyton, A. C. and Hall, J. E. 2006. Textbook of Medical Physiology. 11th Edition. Saunders, Philadelphia. USA. – Bipin Kumar. 2001. Human Physiology. Campus Book International, New Delhi. |
| Electronic References, Websites | |

Course Description Form

| 193. Course Name: | | | | | |
|---|-------|--|--|---|-------------------|
| Computer Applications 2 | | | | | |
| 194. Course Code: | | | | | |
| | | | | | |
| 195. Semester / Year: | | | | | |
| Semester second / 1 st year | | | | | |
| 196. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 197. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 198. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 3 hours / 3 units | | | | | |
| 199. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Ghdeer Ibrahim Maki | | | | | |
| Email: ghdeer.maki.idi@atu.edu.iq | | | | | |
| 200. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • The student must be able to deal with a computer, be familiar with its use, and understand how to use its software. | | | |
| 201. Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> • Delivering lectures using modern presentation methods • Direct questions, transferring the reality of the lecture from the theoretical to practical • Distributing students into groups to discuss specific topics | | | |
| 202. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Desktop main screen components desk top The concept of the icon - Icon. How to deal with mouse activities - The importance and components of the Task bar | Desktop main screen components desk top The concept of the icon - Icon. How to deal with mouse activities - The importance and components of the Task bar | Giving a lecture and using explanations | Examinations |

| | | | | | |
|-----|---|--|--|---|--------------|
| 2 | 2 | The concept of the window for any program and identifying its main components - dealing with desktop icons such as (My Computer - MyDocumant - Recycle BIN) | The concept of the window for any program and identifying its main components - dealing with desktop icons such as (My Computer - MyDocumant - Recycle BIN) | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Identifying computer components in terms of disks - folders and files - how to deal with - formatting floppy disks - copying folders and files - taking advantage of cutting and pasting and knowing the characteristics of disks, folders and files - dealing with the trash and how to delete files and retrieve them through what the trash can provides in this aspect | Identifying computer components in terms of disks - folders and files - how to deal with - formatting floppy disks - copying folders and files - taking advantage of cutting and pasting and knowing the characteristics of disks, folders and files - dealing with the trash and how to delete files and retrieve them through what the trash can provides in this aspect | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Take advantage of the control panel programs, such as the Mouse icon, the DIsply icon, and the key to changing the desktop wallpaper, controlling the screen saver, and changing the appearance and colors of window menus - the Remove program - add icon in adding and deleting programs. | Take advantage of the control panel programs, such as the Mouse icon, the DIsply icon, and the key to changing the desktop wallpaper, controlling the screen saver, and changing the appearance and colors of window menus - the Remove program - add icon in adding and deleting programs. | Giving a lecture and using explanations | Examinations |
| 5&6 | 2 | Use entertainment programs such as Window Media | Use entertainment programs such as Window Media Player to play movies | Giving a lecture and using explanations | Examinations |

| | | | | | |
|-------|---|--|--|---|--------------|
| | | Player to play movies | | | |
| 7&8 | 2 | Take advantage of additional programs such as the Calculator. | Take advantage of additional programs such as the Calculator. | Giving a lecture and using explanations | Examinations |
| 9&10 | 2 | Working with the paint program to create, save, and retrieve drawings through the commands it provides | Working with the paint program to create, save, and retrieve drawings through the commands it provides | Giving a lecture and using explanations | Examinations |
| 11&12 | 2 | Dealing with the Notes window and the Word Pad in writing texts, saving them, retrieving them, printing them, and changing their printing style and formatting. | Dealing with the Notes window and the Word Pad in writing texts, saving them, retrieving them, printing them, and changing their printing style and formatting. | Giving a lecture and using explanations | Examinations |
| 13&14 | 2 | Learn how to get help and its different methods | Learn how to get help and its different methods | Giving a lecture and using explanations | Examinations |
| 14&15 | 2 | Computer Viruses - How to get infected - Their types, treatment and dealing with them through Anti-Viruses available within the Windows operating system environment | Computer Viruses - How to get infected - Their types, treatment and dealing with them through Anti-Viruses available within the Windows operating system environment | Giving a lecture and using explanations | Examinations |

203. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

204. Learning and Teaching Resources

| | |
|--|--|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

| | | | | | |
|--|--------------|---|-----------------------------|------------------------|--------------------------|
| 205. Course Name: | | | | | |
| English Language | | | | | |
| 206. Course Code: | | | | | |
| | | | | | |
| 207. Semester / Year: | | | | | |
| Semester second/ 1 st year | | | | | |
| 208. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 209. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 210. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 1 hours / 1 units | | | | | |
| 211. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Farah ali | | | | | |
| Email: | | | | | |
| 212. Course Objectives | | | | | |
| Course Objectives | | • | | | |
| 213. Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> • Delivering lectures using modern presentation methods • Distributing students into groups to discuss specific topics | | | |
| 214. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 215. Course Evaluation | | | | | |
| Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc | | | | | |
| 216. Learning and Teaching Resources | | | | | |
| Required textbooks (curricular books, if any) | | | Academic skills | | |
| Main references (sources) | | | | | |
| Recommended books and references (scientific journals, reports...) | | | | | |
| Electronic References, Websites | | | | | |

Course Description Form

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|--|---|--|--|---|--------------------------|
| 217. Course Name: | | | | | |
| Pharmacology 1 | | | | | |
| 218. Course Code: | | | | | |
| 219. Semester / Year: | | | | | |
| Semester first / 2 nd year | | | | | |
| 220. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 221. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 222. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 223. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Kareem Mohammed Email: | | | | | |
| 224. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • Basic science of pharmacology • The activity of drugs • Absorption and excretion of drug • Dose and dosage form • Toxicology, toxins, poisoning with metals. | | | |
| 225. Teaching and Learning Strategies | | | | | |
| Strategy | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | | |
| 226. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Introduction and General definition of pharmacology | Introduction and General definition of pharmacology (Pharmacology, Pharmacy, Pharmacist, Dose Concentration) | Giving a lecture and using explanations | Examinations |
| 2,3 & 4 | 2 | Infections&drugs | Infections: -Antibacterial, antiviral, antifungal, ntiprotozoal, antihelmenthic drugs | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Nutritian: Electrolytes, intravenous fluids | Nutritian: Vitamins parantreal Electrolytes, intravenous fluids nutritions, | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Corticosteroids drugs | Corticosteroids drugs | Giving a lecture and | Examinations |

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|---------|---|--|--|---|--------------|
| | | | | using explanations | |
| 7 | 2 | Non-Steroidal anti-inflammatory drugs | Non-Steroidal anti-inflammatory drugs | Giving a lecture and using explanations | Examinations |
| 8 & 9 | 2 | Cardiovascular system drugs Digitalis and cardiac glycosides, Diuretics, Badrenoreceptors, blocking, | Cardiovascular system drugs Digitalis and cardiac glycosides, Diuretics, Badrenoreceptors, blocking, | Giving a lecture and using explanations | Examination |
| 10 & 11 | 2 | Gastrointestinal tract drugs | Gastrointestinal tract drugs Antacids, antispasmodics , drugs , Heeling peptic and D. ulcer , Antidiarrhoeal, Laxatives, Rectal and colonic drugs, drug act , intestinal secretions | Giving a lecture and using explanations | Examinations |
| 12 & 13 | 2 | Respiratory system Bronchodilators , corticosteroides , Allergic disorders, respiratory stimulants, Mucolytics , anti tussives and expectorant, Nasal decongestants | Respiratory system Bronchodilators , corticosteroides , Allergic disorders, respiratory stimulants, Mucolytics , anti tussives and expectorant, Nasal decongestants | Giving a lecture and using explanations | Examinations |
| 14 & 15 | 2 | Endocrine:- Drug used in diabetes Hyperglycemia drugs, | Endocrine:- Drug used in diabetes , hypoglycemia , Pituitary hormones , thyroide and anti thyroide drugs , 2 corticosteroids , female sex hormones , male sex hormone and anti androgens , anabolic steroids Hyperglycemia drugs, other endocrine hyper lipidemia drugs. | Giving a lecture and using explanations | Examinations |

227. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

228. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, any) | Mycek, M. J. ; Harvey R.A. and Champe , P.C. (1997). Lippincott's Illustrated Reviews: Pharmacology. (2nd ed.). Lippincott-Raven, Philadelphia New York . |
| Main references (sources) | Laurence, D.R. ; Bennett , P.N. and Brown, M.J. (1997). Clinical pharmacology. New York ; London : Churchill Livingstone. |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

| 229. Course Name: | | | | | |
|---|-------|---|---|---|-------------------|
| Medicine & Surgery 1 | | | | | |
| 230. Course Code: | | | | | |
| | | | | | |
| 231. Semester / Year: | | | | | |
| Semester first /2 nd year | | | | | |
| 232. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 233. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 234. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 6 hours / 6 units | | | | | |
| 235. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Teba shaker | | | | | |
| Email: | | | | | |
| 236. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> General ; The Student Will be able how treat simple cases Special ; The Student Will be able to give blood & injection The Student Will be able to dress Wound . The Student Will be able to measure blood pressure , pulse ,Temperature . | | | |
| 237. Teaching and Learning Strategies | | | | | |
| Strategy | | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 238.Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Diphtheria (Medicine) + Head injury (Surgery) | Diphtheria (Medicine) + Head injury (Surgery) | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Whooping Cough , Mumps (M) + Meningeal injury (S) | Whooping Cough , Mumps (M) + Meningeal injury (S) | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Typhoid (M) + face injury (S) | Typhoid (M) + face injury (S) | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Measles, german Measles ,small pox (M) + surgical mouth (S), corona virus infections | Measles, german Measles ,small pox (M) + surgical mouth (S), corona virus infections | Giving a lecture and using explanations | Examinations |

| | | | | | |
|--------|---|---|---|---|--------------|
| 5 | 2 | Infection of mouth and tongue (M) + surgical tongue (S) | Infection of mouth and tongue (M) + surgical tongue (S) | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Gastritis and pepticulcer (M) + gum ulcer (S) | Gastritis and pepticulce (M) + gum ulcer (S) | Giving a lecture and using explanations | Examinations |
| 7 | 2 | Jaundice (M) + tonsillitis (S) | Jaundice (M) + tonsillitis (S) | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Heart failure (M) + esophagus ca. (S) | Heart failure (M) + esophagus ca. (S) | Giving a lecture and using explanations | Examinations |
| 9 & 10 | 2 | Myocardial infarction and angina (M) | Myocardial infarction and angina (M) | Giving a lecture and using explanations | Examinations |
| 11 | | Ca. stomach , ca. intestine (S) | Ca. stomach , ca. intestine (S) | Giving a lecture and using explanations | Examinations |
| 12 | | Hypertension (M) + appendicitis (S) | Hypertension (M) + appendicitis (S) | Giving a lecture and using explanations | Examinations |
| 13 | | Congenital heart disease (M) + intestinal obstruction (S) | Congenital heart disease (M) + intestinal obstruction (S) | Giving a lecture and using explanations | Examinations |
| 14 | | 14 Pneumonia (M) + liver abscess (S) | 14 Pneumonia (M) + liver abscess (S) | Giving a lecture and using explanations | Examinations |
| 15 | | Asthma (M) + liver injury (S) | Asthma (M) + liver injury (S) | Giving a lecture and using explanations | Examinations |

239. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

240. Learning and Teaching Resources

| | |
|--|--|
| Required textbooks (curricular books, if any) | Surgical internal medicine specialist Dr. Fawaz Al-Khalidi 1- Davidsons by Davidson 2- Harrison text book of medicine by Harrison 3-Clinical methods by Hatschison 2- Internal Surgical Nursing - Written by Fayza Boulos. 1- General surgery by;Baily and love |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

| 241. Course Name: | | | | | |
|---|-------|--|--|---|-------------------|
| Community Health | | | | | |
| 242. Course Code: | | | | | |
| 243. Semester / Year: | | | | | |
| Semester first / 2 nd year | | | | | |
| 244. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 245. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 246. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 5 hours / 5 units | | | | | |
| 247. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Watheq amer Email: | | | | | |
| 248. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> The student will be able to learn about community health concepts and related techniques. Special: The student will be able to: <ol style="list-style-type: none"> 1. To learn about the components of public health and health education. 2. To know how to organize forms for pregnant women and children at the family registrar. 3. To know the importance of nutrition 4. To become familiar with health information and standards of health and disease. | | | |
| 249. Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 250. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Definition of health and disease: - Pathological causes. - The epidemiological triad | Definition of health and disease: - Pathological causes. - The epidemiological triad | Giving a lecture and using explanations | Examinations |
| 2,3&4 | 2 | - community Health 3- Maternal and childhood care | - community Health 3- Maternal and childhood care | Giving a lecture and using explanations | Examinations |
| 5 | 2 | 4- Health education | 4- Health education | Giving a lecture and using explanations | Examinations |

| | | | | | |
|------|---|---|---|---|--------------|
| 6 | 2 | 5- Nutrition | 5- Nutrition | Giving a lecture and using explanations | Examinations |
| 7&8 | 2 | 6- Environmental health: Objectives of environmental health - air pollution - Water pollution | 6- Environmental health: Objectives of environmental health - air pollution - Water pollution | Giving a lecture and using explanations | Examinations |
| 9&10 | 2 | 7- Medical waste (classification, methods of handling, and method of disposal). 8- Waste and its types - Disposal of liquid and solid waste | 7- Medical waste (classification, methods of handling, and method of disposal). 8- Waste and its types - Disposal of liquid and solid waste | Giving a lecture and using explanations | Examinations |
| 11 | 2 | 9- The concept of disability A - People with physical disabilities B - The mentally disabled | 9- The concept of disability A - People with physical disabilities B - The mentally disabled | Giving a lecture and using explanations | Examinations |
| 12 | 2 | 10- Rehabilitation: - Meaning of rehabilitation - Types of rehabilitation | 10- Rehabilitation: - Meaning of rehabilitation - Types of rehabilitation | Giving a lecture and using explanations | Examinations |
| 13 | 2 | 11- Control of infectious diseases (communicable diseases) | 11- Control of infectious diseases (communicable diseases) | Giving a lecture and using explanations | Examinations |
| 14 | 2 | 12- Non-communicable diseases | 12- Non-communicable diseases | Giving a lecture and using explanations | Examinations |
| 15 | 2 | 13 - Vital statistics - The general method of health research. Births and deaths information | 13 - Vital statistics - The general method of health research. Births and deaths information | Giving a lecture and using explanations | Examinations |

251. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

252. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | 1- Ministry of Health - Health Oversight Guide 2012-2013 2- Public Health Law No. 89 of 1981 3- Law No. 54 of 2001 (Eighth Amendment to the Public Health Law) 4- Food Regulation No. 29 of 1982 |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

| 253. Course Name: | | | | | |
|---|---|--|--|---|-------------------|
| Health & Occupational Safety 1 | | | | | |
| 254. Course Code: | | | | | |
| 255. Semester / Year: | | | | | |
| Semester first / 2 nd year | | | | | |
| 256. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 257. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 258. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 5 hours / 5 units | | | | | |
| 259. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Fadel abd alkuder | | | | | |
| Email: | | | | | |
| 260. Course Objectives | | | | | |
| Course Objectives | <ul style="list-style-type: none"> At the end of the academic year, the student will be able to get acquainted with the public Special health inspection programs and concepts :- The student will be able to: <ul style="list-style-type: none"> A - To become familiar with the foundations, rules and requirements for the success of the inspection process B - To determine the health conditions and specifications that must be legally available in stores Subject to health supervision | | | | |
| 261. Teaching and Learning Strategies | | | | | |
| Strategy | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presentin lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | | |
| 262. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Chapter One (Principles of Occupational Health and Safety) The concept of occupational health and safety and its goals | Chapter One (Principles of Occupational Health and Safety) The concept of occupational health and safety and its goals | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Occupational health and safety in Iraq | Occupational health and safety in Iraq | Giving a lecture and | Examinations |

| | | | | | |
|-------|---|---|---|---|--------------|
| | | | | using explanations | |
| 3 | 2 | Occupational health and safety and its relationship to productivity | Occupational health and safety and its relationship to productivity | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Physical hazards (natural) | Physical hazards (natural) | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Noise and vibrations | Noise and vibrations | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Temperature, humidity, and air speed | Temperature, humidity and air speed | Giving a lecture and using explanations | Examination |
| 7 | 2 | Lighting, radiation and its types | Lighting, radiation and its types | Giving a lecture and using explanations | Examinations |
| 8&9 | 2 | Air pressure and electricity | Air pressure and electricity | Giving a lecture and using explanations | Examinations |
| 10&11 | 2 | Chemical hazards Gases Vapors And dust | Chemical hazards Gases Vapors And dust | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Biological hazard and infectious diseases Psychological factors | Biological hazard and infectious diseases Psychological factors | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Mechanical hazards | Mechanical hazards | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Chapter Three (Industrial Toxins) Introduction to toxicology (definition of poison - the way it enters the body, its interactions inside the body, and ways of excreting it from the body) | Chapter Three (Industrial Toxins) Introduction to toxicology (definition of poison - the way it enters the body, its interactions inside the body, and ways of excreting it from the body) | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Heavy metal poisoning (lead, mercury, chromium) | Heavy metal poisoning (lead, mercury, chromium) | Giving a lecture and using explanations | Examinations |

263. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

264. Learning and Teaching Resources

| | |
|--|---|
| Required textbooks (curricular books, if any) | |
| Main references (sources) | Encyclopedia of Occupational Health and Safety (ILO), Geneva 1990, Part Two Iraqi Labor Law No. 37 of 2015 |
| Recommended books and references (scientific journals, reports...) | Occupational health and safety book 2015 Occupational Safety and Health Administration book 2009 |
| Electronic References, Websites | |

Course Description Form

| 265. Course Name: | | | | | |
|--|--|---|---|---|-------------------|
| Epidemiology 1 | | | | | |
| 266. Course Code: | | | | | |
| 267. Semester / Year: | | | | | |
| Semester first / 2 nd year | | | | | |
| 268. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 269. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 270. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 271. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Salam abass | | | | | |
| Email: | | | | | |
| 272. Course Objectives | | | | | |
| Course Objective | <ul style="list-style-type: none"> • The student will be able to become familiar with the concepts of epidemiology and the techniques related to it. • The student will be able to: • Private:- • .1. To learn about how diseases occur and how infectious diseases are transmitted and controlled. .2. To learn how to analyze the occurrence of epidemics. • .3. To know the pathogens • 4. To learn about calculating the spread of diseases and calculating the different rates of diseases and deaths | | | | |
| 273. Teaching and Learning Strategies | | | | | |
| Strategy | 1- Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2- Practical application of theoretical vocabulary 3- Practical training in hospitals | | | | |
| 274. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | - Types of epidemiology, Factors that control the infection process | Introduction to epidemiology. - Types of epidemiology, goals - basics - general strategies Factors that control the infection process | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Study of epidemiology, measures of disease, factor | General definitions used in the study of epidemiology, measures of disease, factor | Giving a lecture and using explanations | Examinations |

| | | Risk in epidemiology | Risk in epidemiology | | |
|-----|---|---|--|---|--------------|
| 3 | 2 | The epidemiological triad has its importance and applications | The epidemiological triad has its importance and applications Factors of disease occurrence (personality - place - time). | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Transmissible and non-transmissible diseases and the factors that control the infection process | Transmissible and non-transmissible diseases and the factors that control the infection process | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Methods of prevention and control of communicable diseases | Methods of prevention and control of communicable diseases | Giving a lecture and using explanations | Examinations |
| 6&7 | 2 | General immunity - herd immunity and the factors that determine immunity levels in human body Vaccines (types - preservation - preparation). | General immunity - herd immunity and the factors that determine immunity levels in human body Vaccines (types - preservation - preparation). | Giving a lecture and using explanations | Examination |
| 8&9 | 2 | basic steps of epidemiological monitoring | Epidemiological investigation and monitoring (basic steps of epidemiological monitoring) Types of epidemiological studies - Methods of investigating epidemic diseases | Giving a lecture and using explanations | Examinations |
| 10 | 2 | The administrative division of health prevention departments in the Ministry of Health and the mechanism of work in field of prevention | The administrative division of health prevention departments in the Ministry of Health and the mechanism of work in field of prevention - Immediate news form for communicable diseases | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Measles - German measles - mumps | Measles - German measles - mumps | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Tuberculosis - polio | Tuberculosis - polio | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Diphtheria - whooping cough - tetanus | Diphtheria - whooping cough - tetanus | Giving a lecture and using explanations | Examinations |

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| 14 | 2 | Hepatitis | Hepatitis | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Typhoid fever - Malta fever | Typhoid fever - Malta fever | Giving a lecture and using explanations | Examinations |
| 275. Course Evaluation | | | | | |
| Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc | | | | | |
| 276. Learning and Teaching Resources | | | | | |
| Required textbooks (curricular books, if any) | | | | | |
| Main references (sources) | | | Community health guide / Dr. Amjad Niazi / Methodical Book / 1986 | | |
| Recommended books and references (scientific journals, reports...) | | | | | |
| Electronic References, Websites | | | | | |

Course Description Form

| 277. | Course Name: | Environmental health | | | | | |
|--------------------------|---|---|---|---|-------------------|--------------------------|---|
| 278. | Course Code: | | | | | | |
| 279. | Semester / Year: | Semester first / 2 nd year | | | | | |
| 280. | Description Preparation Date: | 2024/ 2/24 | | | | | |
| 281. | Available Attendance Forms: | Direct | | | | | |
| 282. | Number of Credit Hours (Total) / Number of Units (Total) | 4 hours / 4 units | | | | | |
| 283. | Course administrator's name (mention all, if more than one name) | Name: Hadi ragan Email: | | | | | |
| 284. | Course Objectives | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Course Objectives</td> <td> <ul style="list-style-type: none"> • The student will be able to identify the most important interfacial components and their sources of contamination. • Specific objective: The student will be able to: <ul style="list-style-type: none"> • 1- Learn about water, soil and air pollution in cities and the method of treating pollutants. • 2 - Treating all industrial waste. • 3- Treatment of ground and surface water. • 4- Identify global environmental problems and heat emissions. </td> </tr> </table> | | | | Course Objectives | <ul style="list-style-type: none"> • The student will be able to identify the most important interfacial components and their sources of contamination. • Specific objective: The student will be able to: <ul style="list-style-type: none"> • 1- Learn about water, soil and air pollution in cities and the method of treating pollutants. • 2 - Treating all industrial waste. • 3- Treatment of ground and surface water. • 4- Identify global environmental problems and heat emissions. |
| Course Objectives | <ul style="list-style-type: none"> • The student will be able to identify the most important interfacial components and their sources of contamination. • Specific objective: The student will be able to: <ul style="list-style-type: none"> • 1- Learn about water, soil and air pollution in cities and the method of treating pollutants. • 2 - Treating all industrial waste. • 3- Treatment of ground and surface water. • 4- Identify global environmental problems and heat emissions. | | | | | | |
| 285. | Teaching and Learning Strategies | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Strategy</td> <td> <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary Practical training in hospitals </td> </tr> </table> | | | | Strategy | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary Practical training in hospitals |
| Strategy | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary Practical training in hospitals | | | | | | |
| 286.Course Structure | | | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method | | |
| 1 | 2 | Environmental health and environmental types | 1- Environmental health (The concept of environmental health - goals and strategies - types of environment). | Giving a lecture and using explanations | Examinations | | |
| 2 | 2 | 2 - Components of the environment 3- Environmental pollutants | 2 - Components of the environment 3- Environmental pollutants | Giving a lecture and using explanations | Examinations | | |
| 3&4 | 2 | air pollution | air pollution | Giving a lecture and using explanations | Examinations | | |

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| 5&6 | 2 | Water pollution | Water pollution | Giving a lecture and using explanations | Examinations |
| 7 | 2 | Soil contamination | Soil contamination | Giving a lecture and using explanations | Examinations |
| 8&9 | 2 | Drainage of waste and waste | Drainage of waste and waste | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Medical waste | Medical waste | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Sewage water treatment | Sewage water treatment | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Environment and Food Foodborne diseases Food preservation | Environment and Food Foodborne diseases Food preservation | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Control of insects and rodents | Control of insects and rodents | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Radioactive pollution | Radioactive pollution | Giving a lecture and using explanations | Examinations |
| 15 | 2 | how to improve the environment | how to improve the environment | Giving a lecture and using explanations | Examinations |

287. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

288. Learning and Teaching Resources

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| Required textbooks (curricular books, if any) | |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

| 289. Course Name: | | | | | |
|---|-------|---|---|---|-------------------|
| Health Inspection 1 | | | | | |
| 290. Course Code: | | | | | |
| | | | | | |
| 291. Semester / Year: | | | | | |
| Semester first / 2 nd year | | | | | |
| 292. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 293. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 294. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 295. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Tabark jawad Email: | | | | | |
| 296. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • Objectives of the course: - At the end of the academic year, the student will be able to recognize •the public • Special health inspection programs and concepts -:- The student will be able to: • A - To become familiar with the foundations, rules and requirements for the success of the inspection process • B - To determine the health conditions and specifications that must be legally available in stores • Subject to health supervision | | | |
| 297. Teaching and Learning Strategies | | | | | |
| Strategy | | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 298. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | The concept of health control, foundations, rules, objectives and requirements of the health inspection process | The concept of health control, foundations, rules, objectives and requirements of the health inspection process | Giving a lecture and using explanations | Examinations |
| 2 | 2 | The divisions and units of the Public Health Department and their duties, and | The divisions and units of the Public Health Department and their duties, and the basic | Giving a lecture and using explanations | Examinations |

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| | | the basic procedures for following up on health conditions | procedures for following up on health conditions | | |
| 3 | 2 | Food system, extracts from the Public Health Law | Food system, extracts from the Public Health Law | Giving a lecture and using explanations | Examinations |
| 4 | 2 | General conditions, conditions for granting health leave, conditions that must be met by the leave holder and the workers | General conditions, conditions for granting health leave, conditions that must be met by the leave holder and the workers | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Special conditions, including hotels, rest houses, public cafes, casinos, family parks, and shops selling coffee and travel tea. | Special conditions, including hotels, rest houses, public cafes, casinos, family parks, and shops selling coffee and travel tea. | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Ovens, bakeries and pastries, food and beverage preparation and serving shops | Ovens, bakeries and pastries, food and beverage preparation and serving shops | Giving a lecture and using explanations | Examination |
| 7 | 2 | Shops that prepare and sell service ice cream, and shops that sell individual home food supplies | Shops that prepare and sell service ice cream, and shops that sell individual home food supplies | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Stores selling meat, dairy, eggs, and animal products (wholesale), stores selling red meat, poultry and their products. | Stores selling meat, dairy, eggs, and animal products (wholesale), stores selling red meat, poultry and their products. | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Stores selling ready-made food and drinks, stores selling wholesale and individual river and sea fish, sherbet, juice and ready-made food. | Stores selling ready-made food and drinks, stores selling wholesale and individual river and sea fish, sherbet, juice and ready-made food. | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Barber and beauty salons, coffee grinding and selling shops, live chicken shops | Barber and beauty salons, coffee grinding and selling shops, live chicken shops | Giving a lecture and using explanations | Examinations |
| 11 | 2 | The role of fitness | The role of fitness | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Food industry laboratory food additives | Food industry laboratory, food additives | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Food safety (food fraud) | Food safety (food fraud) | Giving a lecture and using explanations | Examinations |

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| 14 | 2 | Food supplies factory, food appetizers factory | Food supplies factory, food appetizers factory | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Sweets factory, Al-Rashi production factory | Sweets factory, Al-Rashi production factory | Giving a lecture and using explanations | Examinations |
| 299. Course Evaluation | | | | | |
| Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc | | | | | |
| 300. Learning and Teaching Resources | | | | | |
| Required textbooks (curricular books, if any) | | | | | |
| Main references (sources) | | | 1- The Iraqi Ministry of Health - Health Oversight Guide 2012-2013 2- Public Health Law No. 89 of 1981 and its amendments 3- Law No. 54 of 2001 (Eighth Amendment to the Public Health Law) 4- Food Regulation No. 29 of 1982 | | |
| Recommended books and references (scientific journals, reports...) | | | | | |
| Electronic References, Websites | | | | | |

Course Description Form

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|--|---|--|--|---|--------------------------|
| 301. Course Name: | | | | | |
| Pharmacology 2 | | | | | |
| 302. Course Code: | | | | | |
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| 303. Semester / Year: | | | | | |
| Semester second / 2 nd year | | | | | |
| 304. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 305. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 306. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 307. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Raghda Saad Mohammed Email: raghda.mohammed@atu.edu.iq | | | | | |
| 308. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • Basic science of pharmacology • The activity of drugs • Absorption and excretion of drug • Dose and dosage form • Toxicology, toxins, poisoning with metals. | | | |
| 309. Teaching and Learning Strategies | | | | | |
| Strategy | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | | |
| 310. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | G.U.T. Uterine stimulants , uterine relaxants , Vulval and vaginal disorders, Contraceptives, U.T. disorders , | G.U.T. Uterine stimulants , uterine relaxants , Vulval and vaginal disorders, Contraceptives, U.T. disorders , | Giving a lecture and using explanations | Examinations |
| 2 & 3 | 2 | Musculo skeletal disorders , Chronic rheumatic diseases , Treatment of gout | Musculo skeletal disorders , Chronic rheumatic diseases Treatment of gout , , myasthenia gravis, Mascles relaxants, Rubefacients , Soft tissues inflammations. | Giving a lecture and using explanations | Examinations |
| 4 & 5 | 2 | Blood formation and coagulations drug | Blood formation and coagulations :- Iron deficiency anaemia megaloblastic anaemia , other types of anaemia anticoagulants , anti platelet , fibrinolytics anti fibrinolytics. | Giving a lecture and using explanations | Examinations |

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| 6 & 7 | 2 | Emollients , antipruritics , topical Corticosteroids , Eczemaow psoriasis Acne , antibacterial , | Skin: Emollients , antipruritics , topical Corticosteroids , Eczemaow psoriasis Acne , antibacterial , disinfectants , antifugl , Antiviral , antiparasitics , melanizing and demelanizings | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Drugs acting on E.N.T | E.N.T. Drugs acting on E.N.T. Including antibiotics and anti inflammatory. | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Anti infective preparations, Anti inflammatory Eye drug | Eye: Anti infective preparations, Anti inflammatory (corticosteroids) , Mydriatcs and cycloplegics , Glaucoma, other preparations | Giving a lecture and using explanations | Examination |
| 10 & 11 | 2 | Chemo therapy and immunosuppressant: | Chemo therapy and immunosuppressant: Alkylatings , antimetabolites , enrymes , Hormones , drug alter immuneresponses. | Giving a lecture and using explanations | Examinations |
| 12 & 13 | 2 | Anaesthetics: General anesthetics, preanesthetics , Inhalation , local anesthetics. | Anaesthetics: General anesthetics, preanesthetics , Inhalation , local anesthetics. | Giving a lecture and using explanations | Examinations |
| 14 & 15 | 2 | C.N.S. Hypnotics and axiolytics , Antipsychotics, Antidepressants , CNS stimulants , | C.N.S. Hypnotics and axiolytics , Antipsychotics, Antidepressants , CNS stimulants ,Anorectics , antiemetics , analgesics (mild, moderate, sever pain , migraine , antiepileptics , parkinsonism, drugs used in chorea , tics. Trigeminal neuralgia | Giving a lecture and using explanations | Examinations |

311. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

312. Learning and Teaching Resources

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| Required textbooks (curricular books, if any) | Mycek, M .J. ; Harvey R.A. and Champe , P.C. (1997).Lippencott's Illustrated Reviews: Pharmacology.(2nd ed.). Lippincott-Raven, Philadelphia New York . |
| Main references (sources) | Laurence, D.R. ; Bennett , P.N. and Brown, M.J.(1997).Clinical pharmacology. New York ; London : Churchill Livingstone. |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

| 313. Course Name: | | | | | |
|---|-------|---|--|---|-------------------|
| Medicine & Surgery 2 | | | | | |
| 314. Course Code: | | | | | |
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| 315. Semester / Year: | | | | | |
| Semester second /2 nd year | | | | | |
| 316. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 317. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 318. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 6 hours / 6 units | | | | | |
| 319. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Rania Razaq Mahdi | | | | | |
| Email: rania.mahdi@atu.edu.iq | | | | | |
| 320. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • General ; The Student Will be able how treat simple cases • Special ; The Student Will be able to give blood & injection • The Student Will be able to dress Wound . • The Student Will be able to measure blood pressure , pulse ,Temperature . | | | |
| 321. Teaching and Learning Strategies | | | | | |
| Strategy | | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 322. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Bronchitis (M) + cholecystitis (S) | Bronchitis (M) + cholecystitis (S) | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Pleural effusion (M) + gall bladder stone (S) | Pleural effusion (M) + gall bladder stone (S) | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Anemia (M) + spleen injury (S) | Anemia (M) + spleen injury (S) | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Leukemia (M) + pancreatitis (S) ,Hemorrhagic fever | Leukemia (M) + pancreatitis (S) ,Hemorrhagic fever | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Lymphoma (M) + hernia (S) | Lymphoma (M) + hernia (S) | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Hemophilia (M) + types of hernia (S) | Hemophilia (M) + type of hernia (S) | Giving a lecture and using explanations | Examinations |

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| 7 | 2 | Glomerulonephritis (M) + tracheal obstruction (S) | Glomerulonephritis (M) + tracheal obstruction (S) | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Nephrotic syndrome and renal failure (M) + lung ca. (S) | Nephrotic syndrome and renal failure (M) + lung ca. (S) | Giving a lecture and using explanations | Examinations |
| 9 & 10 | 2 | Rheumatoid arthritis (M) + fracture (S) | Rheumatoid arthritis (M) + fracture (S) | Giving a lecture and using explanations | Examinations |
| 11 | | Gout (M) + pyelonephritis (S) | Gout (M) + pyelonephritis (S) | Giving a lecture and using explanations | Examinations |
| 12 | | Hyperpituitarism (M) + renal stones (S) | Hyperpituitarism (M) + renal stones (S) | Giving a lecture and using explanations | Examinations |
| 13 | | Thyroid gland disease (M) + bladder ca. (S) | Thyroid gland disease (M) + bladder ca. (S) | Giving a lecture and using explanations | Examinations |
| 14 | | Addison diseases (M) + blood transfusion (S) | Addison diseases (M) + blood transfusion (S) | Giving a lecture and using explanations | Examinations |
| 15 | | Para Thyroid gland disease (M) + hemorrhoid (S) | Para Thyroid gland disease (M) + hemorrhoid (S) | Giving a lecture and using explanations | Examinations |

323. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

324. Learning and Teaching Resources

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| Required textbooks (curricular books, if any) | Surgical internal medicine specialist Dr. Fawaz Al-Khalidi 1- Davidsons by Davidson 2- Harrison text book of medicine by Harrison 3-Clinical methods by Hatschison 2- Internal Surgical Nursing - Written by Fayza Boulos. 1- General surgery by;Baily and love |
| Main references (sources) | |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

| 325. Course Name: | | | | | |
|--|-------|--|--|---|-------------------|
| International Health | | | | | |
| 326. Course Code: | | | | | |
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| 327. Semester / Year: | | | | | |
| Semester first / 2 nd year | | | | | |
| 328. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 329. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 330. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 5 hours / 5 units | | | | | |
| 331. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Anaam Mohammed Abdel Al-Hassan Email: abdel-hassan.dw@atu.edu.iq | | | | | |
| 332. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • Learn about major global health challenges, programs and policies around infectious diseases. • Special -: The student will be able to:- • 1- Identify the huge diversity of diseases in the world and the determinants of health and disease. • 2- To analyze current and emerging global health priorities, including emerging infectious diseases, poverty, conflicts and emergencies, health inequalities, health system reforms, and major global initiatives for disease prevention and health promotion. • 3- Identify international measures to limit the spread of epidemic diseases. | | | |
| 333. Teaching and Learning Strategies | | | | | |
| Strategy | | <ul style="list-style-type: none"> • 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 334. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1&2 | 2 | The concept of international health - the emergence of international health | 1-International Health. The concept of international health - the emergence of international health | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Global Policy for International Health. | Global Policy for International Health. | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Ethical issues in international health service delivery. | Ethical issues in international health service delivery. | Giving a lecture and using explanations | Examinations |

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| 5 | 2 | International treaties and international health diplomacy. | International treaties and international health diplomacy. | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Global health policy frameworks: development, economics, security, human rights. | Global health policy frameworks: development, economics, security, human rights. | Giving a lecture and using explanations | Examinations |
| 7 | 2 | Eradication and elimination of diseases. | Eradication and elimination of diseases | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Definition of infectious disease and what are the factors of the epidemiological triad. | Definition of infectious disease and what are the factors of the epidemiological triad. | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Methods of prevention of infectious diseases | Methods of prevention of infectious diseases | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Methods of controlling infectious diseases. | Methods of controlling infectious diseases. | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Vital statistics in determining the epidemiology of infectious diseases | Vital statistics in determining the epidemiology of infectious diseases | Giving a lecture and using explanations | Examinations |
| 12 | 2 | AIDS and hepatitis types A and B | AIDS and hepatitis types A and B | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Pandemic influenza disease (Corona, bird and swine flu). | Pandemic influenza disease (Corona, bird and swine flu). | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Hemorrhagic fever Ebola hemorrhagic disease | Hemorrhagic fever Ebola hemorrhagic disease | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Malaria | Malaria | Giving a lecture and using explanations | Examinations |

335. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

336. Learning and Teaching Resources

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| Required textbooks (curricular books, if any) | |
| Main references (sources) | 1- Ministry of Health - Health Oversight Guide 2012-2013 2- Public Health Law No. 89 of 1981 3- Law No. 54 of 2001 (Eighth Amendment to the Public Health Law) 4- Food Regulation No. 29 of 1982 |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

| 337. Course Name: | | | | | |
|---|---|---|---|---|-------------------|
| Health & Occupational Safety 2 | | | | | |
| 338. Course Code: | | | | | |
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| 339. Semester / Year: | | | | | |
| Semester second / 2 nd year | | | | | |
| 340. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 341. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 342. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 5 hours / 5 units | | | | | |
| 343. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Doaa Yousif Mohammed | | | | | |
| Email: Doaa.mohammed@atu.edu.iq | | | | | |
| 344. Course Objectives | | | | | |
| Course Objectives | <ul style="list-style-type: none"> • At the end of the academic year, the student will be able to get acquainted with • the public • Special health inspection programs and concepts :- The student will be able to: • A - To become familiar with the foundations, rules and requirements for the success of the inspection process • B - To determine the health conditions and specifications that must be legally available in stores • Subject to health supervision | | | | |
| 345. Teaching and Learning Strategies | | | | | |
| Strategy | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in present lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | | |
| 346. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1&2 | 2 | Insecticide poisoning Poisoning by organic compounds | Insecticide poisoning Poisoning by organic compounds (organic solvents - hydrocarbons and their derivatives) | Giving a lecture and using explanations | Examinations |
| 3&4 | 2 | Work accidents and injuries) Definition of accident and injury, its causes and types | Chapter Four (Work accidents and injuries) Definition of accident and injury, its causes and types | Giving a lecture and using explanations | Examinations |

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| 5&6 | 2 | Handling and storing materials Signs and effects of safety and security | Handling and storing materials Signs and effects of safety and security | Giving a lecture and using explanations | Examinations |
| 7 | 2 | Obstacles and the role of civil defense in facilities - casualty statistics the job Chapter Five (General methods of prevention from occupational hazards) | Obstacles and the role of civil defense in facilities - casualty statistics the job Chapter Five (General methods of prevention from occupational hazards) | Giving a lecture and using explanations | Examinations |
| 8 | 2 | 1- Medical prevention methods A - Primary, periodic, special and rehabilitation examinations | 1- Medical prevention methods A - Primary, periodic, special and rehabilitation examinations | Giving a lecture and using explanations | Examinations |
| 9 | 2 | B - First aid services at the work site C - Health and professional services at the work site (regulation And duties | B - First aid services at the work site C - Health and professional services at the work site (regulation And duties | Giving a lecture and using explanations | Examination |
| 10 | 2 | Engineering prevention methods A - Locks B - Replacement C - Isolation | Engineering prevention methods A - Locks B - Replacement C - Isolation | Giving a lecture and using explanations | Examinations |
| 11 | 2 | D - Ventilation E - Monitoring the work environment (detecting and measuring pollutants in the work environment and comparing them to the recommended limits to identify an occupational health basis | D - Ventilation E - Monitoring the work environment (detecting and measuring pollutants in the work environment and comparing them to the recommended limits to identify an occupational health basis | Giving a lecture and using explanations | Examinations |
| 12 | 2 | F - General personal hygiene G - Inspection of work sites | F - General personal hygiene G - Inspection of work sites | Giving a lecture and using explanations | Examinations |
| 13 | 2 | 3 - Personal protective equipment, its types, specifications and uses | 3 - Personal protective equipment, its types, specifications and uses | Giving a lecture and using explanations | Examinations |
| 14&15 | 2 | Chapter Six Age and occupational safety legislation | Chapter Six Age and occupational safety legislation | Giving a lecture and | Examinations |

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| | | 1- Decisions related to occupational health and safety 2- Laws 3- Systems 4 instructions | 1- Decisions related to occupational health and safety 2- Laws 3- Systems 4 instructions | using explanations | |
| 347. Course Evaluation | | | | | |
| Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc | | | | | |
| 348. Learning and Teaching Resources | | | | | |
| Required textbooks (curricular books, if any) | | | | | |
| Main references (sources) | | | Encyclopedia of Occupational Health and Safety (ILO), Geneva 1990, Part Two Iraqi Labor Law No. 37 of 2015 | | |
| Recommended books and references (scientific journals, reports...) | | | Occupational health and safety book 2015 Occupational Safety and Health Administration book 2009 | | |
| Electronic References, Websites | | | | | |

Course Description Form

| 349. Course Name: | | | | | |
|---|--|---|---|---|-------------------|
| Epidemiology 2 | | | | | |
| 350. Course Code: | | | | | |
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| 351. Semester / Year: | | | | | |
| Semester second / 2 nd year | | | | | |
| 352. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 353. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 354. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 355. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Roaa Abad Jaythoom | | | | | |
| Email: Roaa.jaythoom@atu.edu.iq | | | | | |
| 356. Course Objectives | | | | | |
| Course Objective | <ul style="list-style-type: none"> • The student will be able to become familiar with the concepts of epidemiology and the techniques related to it. • The student will be able to: • Private:- • .1. To learn about how diseases occur and how infectious diseases are transmitted and controlled. .2. To learn how to analyze the occurrence of epidemics. • .3. To know the pathogens • 4. To learn about calculating the spread of diseases and calculating the different rates of diseases and deaths | | | | |
| 357. Teaching and Learning Strategies | | | | | |
| Strategy | 1- Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2- Practical application of theoretical vocabulary 3- Practical training in hospitals | | | | |
| 358. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Epidemic diseases that occurred in the world, their consequences, and dealing with them | Epidemic diseases that occurred in the world, their consequences, and dealing with them | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Vaccination against communicable diseases (regional plan) | Vaccination against communicable diseases (regional plan) | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Types of health prevention, environmental | Types of health prevention, environmental | Giving a lecture and using explanations | Examinations |

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| | | pollution, medical waste | pollution, medical waste | | |
| 4 | 2 | Food poisoning (types and causes) | Food poisoning (types and causes) | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Encephalomyelitis | Encephalomyelitis | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Cholera | Cholera | Giving a lecture and using explanations | Examination |
| 7 | 2 | Water bags | Water bags | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Malaria | Malaria | Giving a lecture and using explanations | Examinations |
| 9 | 2 | schistosoma | schistosoma | Giving a lecture and using explanations | Examinations |
| 10&11 | 2 | Pandemic influenza - types and causes - Covid-19 (factors that led to the emergence of new viruses belonging to the coronavirus family). | Pandemic influenza - types and causes - Covid-19 (factors that led to the emergence of new viruses belonging to the coronavirus family). | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Acquired immunodeficiency disease | Acquired immunodeficiency disease | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Hemorrhagic fever | Hemorrhagic fever | Giving a lecture and using explanations | Examinations |
| 14 | 2 | Chicken pox | Chicken pox | Giving a lecture and using explanations | Examinations |
| 15 | 2 | rabies | rabies | Giving a lecture and using explanations | Examinations |

359. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

360. Learning and Teaching Resources

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| Required textbooks (curricular books, if any) | |
| Main references (sources) | Community health guide / Dr. Amjad Niazi / Methodical Book / 1986 |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

Course Description Form

| 361. Course Name: | | | | | |
|---|-------|--|---|---|-------------------|
| Professional Ethics | | | | | |
| 362. Course Code: | | | | | |
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| 363. Semester / Year: | | | | | |
| Semester second / 2 nd year | | | | | |
| 364. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 365. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 366. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 2 hours / 2 units | | | | | |
| 367. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Wassan Abbas Budi | | | | | |
| Email: wassan.budi@atu.edu.iq | | | | | |
| 368. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • Identify the basic etiquette of professional behavior for workers in medical specialties • Private:- • Qualifying the graduate on professional behavior in dealing with his profession and achieving compatibility with himself and his professional environment • (The patient, his companions, health workers, and medical equipment) | | | |
| 369. Teaching and Learning Strategies | | | | | |
| Strategy | | Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) | | | |
| 370. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Definition of professional behavior and its practical applications | Professional behaviour - Its definition - its concept - its practical applications - the relationship between employees and their bosses - Elements of human behavior | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Principles of professional ethics in the stages of cultural and Islamic developments. - Etiquette for dealing with patients in hospitals | Principles of professional ethics in the stages of cultural and Islamic developments. - Etiquette for dealing with patients in hospitals | Giving a lecture and using explanations | Examinations |

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| 3 | 2 | Behavioral trends and tendencies Its definition, classification, factors affecting it, and methods of its establishment | Behavioral trends and tendencies Its definition, classification, factors affecting it, and methods of its establishment | Giving a lecture and using explanations | Examinations |
| 4 | 2 | Values, customs and traditions Its definition, classification, factors affecting it, and methods of its establishment | Values, customs and traditions Its definition, classification, factors affecting it, and methods of its establishment | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Personality types, how to deal with them Definition of personality - its types - its relationships - its nature - its motivations - its explanations | Personality types, how to deal with them Definition of personality - its types - its relationships - its nature - its motivations - its explanations | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Basic ethics for the health and medical profession - Characteristics and characteristics of health workers - appearance, behavior, and commitment - Characteristics of a successful medical associate Some undesirable practices in the medical field | Basic ethics for the health and medical profession - Characteristics and characteristics of health workers - appearance, behavior, and commitment - Characteristics of a successful medical associate Some undesirable practices in the medical field | Giving a lecture and using explanations | Examination |
| 7 | 2 | The moral and legal rights of the patient - Moral and legal rights of workers in health and medical professions | The moral and legal rights of the patient - Moral and legal rights of workers in health and medical professions | Giving a lecture and using explanations | Examinations |
| 8 | 2 | Behavioral dealing with the patient Receiving and dealing with the patient - and maintaining professional secrets Determine appointments for required procedures Maintaining the patient's needs | Behavioral dealing with the patient Receiving and dealing with the patient - and maintaining professional secrets Determine appointments for required procedures Maintaining the patient's needs | Giving a lecture and using explanations | Examinations |

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| 9 | 2 | Behavioral handling of medical devices and equipment. Daily access to devices, tools and solutions - Requirements, preparing it for daily work, sustaining it, maintaining it and preserving it on her. - Preparing the necessary medications for work and disposing of them properly | Behavioral handling of medical devices and equipment. Daily access to devices, tools and solutions - Requirements, preparing it for daily work, sustaining it, maintaining it and preserving it on her. - Preparing the necessary medications for work and disposing of them properly | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Conditions for the embodiment of mental health - Definition - Factors influencing it Role Mental health in diseases | Conditions for the embodiment of mental health - Definition - Factors influencing it Role Mental health in diseases | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Professional compatibility and its relationship to work (its concept and conditions) | Professional compatibility and its relationship to work (its concept and conditions) | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Occupational safety - Prevention of work risks and accidents Preventing the risks of bacterial, toxic and radioactive contamination - Preventing the risk of infection with infectious and communicable diseases - Avoid wrong practices in the field of work | Occupational safety - Prevention of work risks and accidents Preventing the risks of bacterial, toxic and radioactive contamination - Preventing the risk of infection with infectious and communicable diseases - Avoid wrong practices in the field of work | Giving a lecture and using explanations | Examinations |
| 13 | 2 | The humanitarian, religious and democratic dimensions of the health and medical professions | The humanitarian, religious and democratic dimensions of the health and medical professions | Giving a lecture and using explanations | Examinations |
| 14 | 2 | The role of the medical associate in informing and spreading health culture among members of society. Factors for effective communication | The role of the medical associate in informing and spreading health culture among members of society. Factors for effective communication | Giving a lecture and using explanations | Examinations |

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| | | between medical associates and patients Conditions necessary for the success of a medical member during his watch | between medical associates and patients Conditions necessary for the success of a medical member during his watch | | |
| 15 | 2 | Applications in professional behavior | Applications in professional behavior | Giving a lecture and using explanations | Examinations |

371. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc

372. Learning and Teaching Resources

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| Required textbooks (curricular books, if any) | 1- Methodological books / Professional behavior - written by Dr. Adnan Shaker - Dr. Hanaa Ahmed reconcile - Dr. Abdullah Jassim |
| Main references (sources) | Professional Behavior of Doctors - Written by Dr. Raji Abbas Al-Tikriti |
| Recommended books and references (scientific journals, reports...) | Forensic Medicine and Professional Ethics - Written by Dr. Dhia Al-Musawi 1986 A handbook on the professional behavior of doctors -5- A handbook on the professional behavior of doctors - published by the Iraqi Medical Syndicate - |
| Electronic References, Websites | |

Course Description Form

| 373. Course Name: | | | | | |
|--|-------|---|---|---|-------------------|
| Health Inspection 2 | | | | | |
| 374. Course Code: | | | | | |
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| 375. Semester / Year: | | | | | |
| Semester second / 2 nd year | | | | | |
| 376. Description Preparation Date: | | | | | |
| 2024/ 2/24 | | | | | |
| 377. Available Attendance Forms: | | | | | |
| Direct | | | | | |
| 378. Number of Credit Hours (Total) / Number of Units (Total) | | | | | |
| 4 hours / 4 units | | | | | |
| 379. Course administrator's name (mention all, if more than one name) | | | | | |
| Name: Malath Yousif Ismael Email: Dw.husio@atu.edu.iq | | | | | |
| 380. Course Objectives | | | | | |
| Course Objectives | | <ul style="list-style-type: none"> • Objectives of the course: - At the end of the academic year, the student will be able to recognize •the public • Special health inspection programs and concepts -:- The student will be able to: • A - To become familiar with the foundations, rules and requirements for the success of the inspection process • B - To determine the health conditions and specifications that must be legally available in stores • Subject to health supervision | | | |
| 381. Teaching and Learning Strategies | | | | | |
| Strategy | | <ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals | | | |
| 382. Course Structure | | | | | |
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| 1 | 2 | Ice and gypsum factor specifications | Ice and gypsum factories | Giving a lecture and using explanations | Examinations |
| 2 | 2 | Juice, jam and mineral water factory conditions | Juice factories, mineral and carbonated water | Giving a lecture and using explanations | Examinations |
| 3 | 2 | Awareness about drinking water plants and drinking water projects | Desalination and sterilization plants for drinking water and waste water projects | Giving a lecture and using explanations | Examinations |

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| 4 | 2 | Specifications of beauty centers | Beauty centers | Giving a lecture and using explanations | Examinations |
| 5 | 2 | Explanation of cosmetics and detergents laboratories | Cosmetics laboratories and detergent laboratories | Giving a lecture and using explanations | Examinations |
| 6 | 2 | Conditions for means of transportation and preservation of materials Food | Means of transportation and preservation of materials Food | Giving a lecture and using explanations | Examination |
| 7 | 2 | Conditions for public showers and swimming pools | Public showers and swimming pools | Giving a lecture and using explanations | Examinations |
| 8 | 2 | How to organize the work of street vendors | Organizing the work of street vendors | Giving a lecture and using explanations | Examinations |
| 9 | 2 | Conducting health and environmental inspections of schools | Health and environmental inspection of schools | Giving a lecture and using explanations | Examinations |
| 10 | 2 | Specifications of massacres | The massacres | Giving a lecture and using explanations | Examinations |
| 11 | 2 | Functions of bodies supporting health oversight work | Entities supporting health oversight work | Giving a lecture and using explanations | Examinations |
| 12 | 2 | Characteristics of sanitary landfill sites | Sanitary dumping sites | Giving a lecture and using explanations | Examinations |
| 13 | 2 | Critical control conditions and risk analysis | Hazard analysis and critical control points system | Giving a lecture and using explanations | Examinations |
| 14 | 2 | How to pull food models | Pull food models | Giving a lecture and using explanations | Examinations |
| 15 | 2 | Explain business contexts | Business contexts | Giving a lecture and using explanations | Examinations |

383. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

384. Learning and Teaching Resources

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| Required textbooks (curricular books, if any) | |
| Main references (sources) | 1- The Iraqi Ministry of Health - Health Oversight Guide 2012-2013 2- Public Health Law No. 89 of 1981 and its amendments 3- Law No. 54 of 2001 (Eighth Amendment to the Public Health Law) 4- Food Regulation No. 29 of 1982 |
| Recommended books and references (scientific journals, reports...) | |
| Electronic References, Websites | |

