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.

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 :

This file is checked by Quality Assurance And university Performance

Directed of the Quality Assurance And university Performance department

Date:

Signature :

Approval of the dean

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															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	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 / 1st 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	• 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	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 Nationalvaccination 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 - it 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 / 1st 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	• 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	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 fundamenta1
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 / 1st 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	• 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 .

33.Teaching and Learning Strategies

Strategy	• 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 t 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 , rips	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 lowe 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 , 4th 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 / 1st 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	• 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

		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 / 1st 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	• 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
57.Teaching and Learning Strategies	
Strategy	• 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

		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, 2nd edition. Elsevie
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

61.Course Name:
Biostatic 1
62.Course Code:
63.Semester / Year:
Semester first / 1st 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	• 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	• 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 • Samples • Variables • Classified and unclassified data.	Introduction to statistics and its types • Samples • Variables • Classified and unclassified data.	Giving a lecture and using explanations	Examinations
4&3	2	Representing frequency distributions for "classified data" - Graphical display methods (histogram, histogram, histogram, polygon)	Representing frequency distributions for "classified data" - Graphical display methods (histogram, histogram, histogram, polygon)	Giving a lecture and using explanations	Examinations

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 / 1st 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

		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 - Definitio of clinical chemistry - Body fluids and their importance in conducting clinical chemistry tests - Urine - Urine collection and methods of preservation - The formation of urin in the human body - Normal rate of urine excretion - Definition o	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

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

85.Course Name:
Computer Applications 1
86.Course Code:
87.Semester / Year:
Semester first / 1st 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	• 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	• Delivering lectures using modern presentation methods • Direct questions, transferring the reality of the lecture from the theoretical to t 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 / 1st 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	• 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

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

109. Course Name:	
Community Health	
110. Course Code:	
111. Semester / Year:	
Semester second / 1st 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	•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	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 o school health systems	Giving a lecture and using explanations	Examination
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 schoo 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

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 / 1st 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	• 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	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

		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 firs 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

		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 fundamenta1
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

133.	Course Name:
	General Anatomy 2
134.	Course Code:
135.	Semester / Year:
	Semester second / 1st 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	• 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	• 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

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 , 4th 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

145. Course Name:	
Physiology 2	
146. Course Code:	
147. Semester / Year:	
Semester second / 1st 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	• 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

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 / 1st 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	• 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	• 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

4	2	Echinococcus granulosis	Echinococcus granulosis	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	Immunty and immune system	Immunty 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, 2nd edition. Elsevie
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 / 1st 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	• 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	• 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

		-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 / 1st 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

		proteins - serum proteins - functions and االمتحانات importance of proteins in the human body - clinical significance of total protein in serum	االمتحاناتimportance 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 creatinin - 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 o 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 gosgatase - properties, functions and clinical significance of each	Alkaline phosphatase and acid gosgatase - 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	

2	2	The concept of the window for any program and identifying its main components - dealing with desktop icons such as (My Computar - MyDocumant - Recycle BIN)	The concept of the window for any program and identifying its main components - dealing with desktop icons such as (My Computar - 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/ 1st 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	• 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

217. Course Name:
Pharmacology 1
218. Course Code:
219. Semester / Year:
Semester first / 2nd 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	• 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	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: Vitanins parantreal Electrolytes, intravenous fluids nutritions,	Giving a lecture and using explanations	Examinations
6	2	Corticosteroids drugs	Corticosteroids drugs	Giving a lecture and	Examinations

				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 cardia 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 , corticosteraides , Allergic disorders, respiratory stimulants,Mucolytics , anti tussives and expectorant, Nasal decongestants	Respiratory system Bronchodilators , corticosteraides , 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 harmones , thyroide and anti thyroide drugs , 2 orticosteroids , female sex hormones , male sex hormone and anti androgens , anabolic steroide Hyperglycemia drugs, otherandocrine 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).Lippencott's Ilustrated Reviews: Pharmacology.(2nd ed.). Lippincott-Raven, Philadel phia 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 /2nd 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	• 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	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 / 2nd 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	• The student will be able to learn about community health concepts and related techniques. • Special: The student will be able to: • 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	• 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	Examination
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 /2nd 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	• 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
261. Teaching and Learning Strategies	
Strategy	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 / 2nd 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	• 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

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 / 2nd 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	
Course Objectives	• 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: • 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	
Strategy	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

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	Examination
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

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 / 2nd 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	• 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	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

		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 an 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

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

301. Course Name:
Pharmacology 2
302. Course Code:
303. Semester / Year:
Semester second / 2nd 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	• 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	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 viginal disorders, Contraceptives, U.T. disorders ,	G.U.T. Uterine stimulants , uterine relaxants , Vulval and viginal 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 grvis, 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 megalobl astic anaemia , other types of anaemia anticoagulants , anti platelet , fibrinolytics anti fibrinolytics.	Giving a lecture and using explanations	Examinations

6& 7	2	Emollients , antipruridics , topical Corticosteroids , Eczemaow psoriasis Acne , antibacterial ,	Skin: Emollients , antipruridics , 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 inflamatory.	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, preanthetics , Inhalation , local anesthetics.	Anaesthetics: General anesthetics, preanthetics , 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

Required textbooks (curricular books, if any)	Mycek, M .J. ; Harvey R.A. and Champe , P.C. (1997).Lippencott's Ilustrated Reviews: Pharmacology.(2nd ed.). Lippincott-Raven, Philadel phia 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:	
315. Semester / Year:	
Semester second /2nd 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	• 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	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) + cholycystitis (S)	Bronchitis (M) + cholycystitis (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

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		Hyperpitutirism (M) + renal stones (S)	Hyperpitutirism (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

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:	
327. Semester / Year:	
Semester first / 2nd 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	• 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	• 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

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	Examination
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

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:
339.	Semester / Year:
	Semester second /2nd 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	• 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	1. Theoretical lectures and the use of modern scientific methods in presenti 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

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

		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:	
351. Semester / Year:	
Semester second / 2nd 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	• 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

		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 tha 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

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:	
363. Semester / Year:	
Semester second / 2nd 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	• 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

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 medica field	Giving a lecture and using explanations	Examinatior
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

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

		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

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:	
375. Semester / Year:	
Semester second / 2nd 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	• 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	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

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

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	