# **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

Dean Assistant for Scientific Affairs

Prof.Dr. Ali Anok Njum

Date: 31/3/2024

Date: 3113/2024

This file is checked by Quality Assurance And university Performance

Directed of the Quality Assurance And university Performance department

Date: 31/3/ 2024

Signature:

Approval of the dean

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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.

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

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

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

**Program Objectives:** They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable. **Curriculum Structure:** All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

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

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

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Ministry of Higher Education Scien	tific Research
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.University: AL Furat AL Awsat ted	chnical university
Faculty: Samawa technical institute	
Academic Program Specification na	ame: Diploma
Academic system: course	
Head of Department	Dean Assistant for Scientific Affairs
Prof.Dr. Ali Anok Njum	
Date: 31/3/2024	Date :
This file is checked by Quality Assu	urance And university Performance
Directed of the Quality Assurance A	And university Performance department
Date:	
Signature:	
	Approval of the dean
	11

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

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

7. Program	Descripti	on		
Year/Level	Course	Course Name	Credit	t Hours
	Code			
			theoretical	practical
		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
First		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	
		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
Second		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	Specia	Specialization		ecial nents/Skills plicable)		per of the ning 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

				Progra	m Skills (	Outline									
				1				Requi	red prog	ram Le	earning o	utcomes			
	Course		Basic or		Knowledge Skills Ethics						nics				
Year/Level	Code	Course Name	optional	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
		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	•	•	•	•	•	•	•	•	•	•	•	•
<b>-</b>		English Language	General	•	•	•	•	•	•	•	•	•	•	•	•
First		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	•	•	•	•	•	•	•	•	•	•	•	•
		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	•	•	•	•	•	•	•	•	•	•	•	•
Second		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	•	•	•	•	•	•	•	•	•	•	•	•

<sup>•</sup> Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

1. Course Name:

# **Principles of Community Health**

- 2. Course Code:
- 3. Semester / Year:

Semester first / 1<sup>st</sup> 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

10.0	3 <b>471</b> 5 <b>4</b> 7 7	2 0,0 00,1 0			
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Definition of community health and its objectives	Introduction to community health - Definition of community health - What does community health include - The goal of community health.	Giving a lecture and using explanations	Examinations
2	2	Primary health care, its programs and goals	Primary health care primary health care	Giving a lecture and using explanations	Examinations

			programs - goals and strategies		
3	2	Vaccines Immunity Vaccines, their types and methods of administration National vaccination schedule in Iraq	Vaccines Immunity Vaccines, their types and methods of administration National vaccination schedule in Iraq	Giving a lecture and using explanations	Examinations
4 &5	2	Maternal and child care services	Maternal and child care services	Giving a lecture and using explanations	Examinations
6	2	Lactation and its types	Breastfeeding/its benefits for the mother and child - artificial feeding - and its disadvantages	Giving a lecture and using explanations	Examinations
7	2	Diarrhea in children	Diarrhea in children - 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		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

#### 13.Course Name:

# Fundamentals of Nursing 1

14.Course Code:

#### 15.Semester / Year:

Semester first / 1<sup>st</sup> 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

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	Administration & Administration discharge of patient discharge of from hospital, pt.chart from hospital, oral report, written of report, Nursing report, Nursing		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,	planning , Implementation , Evaluation .		
4&5	2	Evaluation ).  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	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

		infusion, Re in givin transfusion blood tra	ntravenous ole of Nurse ng blood the goal of nsfusion, at notes in				
23.0	Course Evaluation	DIOOU II	iiusioii.				
Distrib prepar	outing the score out of 100 accoration, daily oral, monthly, or w	ritten exam	_		nt such as daily		
24.L	earning and Teaching Resou	ırces					
Requir	ed textbooks (curricular books, it	f any)	Principles of practical nursing foundations/Nazira Hussein of nursing phaeladelphia				
Main r	eferences (sources)		Salwa Abbas - Principles of Nursing				
	,		Foundations - Ministry of Health - Health				
				Foundation 1995			
				Fuerst fundamen	ta1		
Recom	mended books and references (so	cientific	Ahlam Fa	rag, Elham Amin	- Basic Principle		
journal	s, reports)			Ministry of High Research - 2986	ner Education		
Electro	onic References, Websites						

#### 25.Course Name:

# **General Anatomy 1**

#### 26.Course Code:

#### 27.Semester / Year:

Semester first / 1<sup>st</sup> 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 to practical
- Distributing students into groups to discuss specific topics

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 muscles			
15	2	Muscles of the lower limb: muscles of the iliac region, muscles of the gluteal region, muscles of thigh	Muscles of limb: mus iliac region of the glute muscles	cles of the , muscles eal region ,	Giving a lecture and using explanations	Examinations
35.C	35.Course Evaluation					
	Distributing the score out of 100 according to the preparation, daily oral, monthly, or written exam					nt such as daily
36.L	earning	and Teaching Resor	urces			
Requir	Required textbooks (curricular books, if any)			Principle of anatomy, Dr. Hani T. Al-Azawi, 4 <sup>th</sup> edition, 1988.		
Main references (sources)			Principle of anatomy, Dr. Abdul-Rahman M. Abdul- Raheim & Dr. Ali K.			
Recommended books and references (scientific journals, reports)			Ва	asic anatomy		
Electronic References, Websites			W	WW.MEDSCAP	E.COM	

37.Course Name:  Physiology 1  38.Course Code:				
• • • • • • • • • • • • • • • • • • • •				
38.Course Code:				
39.Semester / Year:				
Semester first / 1 <sup>st</sup> 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 tha	L			
Related with physiology				
45.Teaching and Learning Strategies				
Strategy • Direct questions				
• Transferring the reality of the lecture from the theoretical to the practic	al			
Distributing students into groups to discuss specific topics				
46. Course Structure				
Week Hours Required Learning Unit or subject Learning Evaluation				
Outcomes name method method  Safety precautions from Safety precautions				
the hazards of from the hazards of				
laboratory materials, chemicals and				
electricity electricity Giving a				
1&2 2 Cells(Define – Types – Cells(Define – Types – Structures of cells) Cells(Define – Types – Structures of cells) Examination	ns			

1&2	2	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)	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, reportsetc				
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				

#### 49.Course Name:

# Medical Microbiology 1

#### 50.Course Code:

#### 51.Semester / Year:

Semester first / 1<sup>st</sup> 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 specialest 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

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.				
		Bacterial	Bacterial morphology,	Giving a lecture		
2	2	morphology, bacterial	bacterial cell structure.	and using	Examinations	
		cell structure.	bacteriai een structure.	explanations		
		Bacterial		Giving a lecture		
3	2	requirement, growth	Bacterial requirement,	and using	Examinations	
		curve	growth curve	explanations		
		curve				
4	2	Controle of	Controle of	Giving a lecture	Examinations	
4		microorganisms	microorganisms	and using explanations	Lammanons	
				Giving a lecture		
5	2	Pathogenes of	Pathogenes of		Examinations	
3	2	respiratory system.	respiratory system.	and using explanations	Examinations	
				*		
6	2	Pathogenes of	Pathogenes of digestive	Giving a lecture	Examination	
6	2	digestive system.	system.	and using	Examination	
			·	explanations		
7	2	Pathogenes of urinary	Pathogenes of urinary	Giving a lecture	Examinations	
7	2	and sexual systems	and sexual systems	and using	Lammations	
		·	· · · · · · · · · · · · · · · · · · ·	explanations		
8	2	Earl paisaning	Food maisoning	Giving a lecture	Evaminations	
8	2	Food poisoning	Food poisoning	and using	Examinations	
				explanations		
0	_	Contamination of	Contamination of	Giving a lecture	E	
9	2	hospitals	hospitals	and using	Examinations	
		•		explanations		
10	2	General characters of	General characters of	Giving a lecture	E	
10	2	fungi	fungi	and using	Examinations	
				explanations		
4.4	_	F . 1	E ' 1'	Giving a lecture	т.	
11	2	Fungi disease	Fungi disease	and using	Examinations	
			m · ·	explanations		
10		the viruses, shapes,	The viruses, shapes,	Giving a lecture	F '	
12	2	sizes & some viral	sizes & some viral	and using	Examinations	
		diseases	diseases	explanations		
4.0	_	Introduction of	Introduction of	Giving a lecture	ъ .	
13	2	parasites.	parasites.	and using	Examinations	
		•	r	explanations		
		Protozoa,	Protozoa, Entamoeba	Giving a lecture	ъ .	
14	2	Entamoeba	histolytica		and using	Examinations
		histolytica	instally tion	explanations		
	_	Flagellates, Giardia.	Flagellates, Giardia.	Giving a lecture		
15	2	Trichomonase	Trichomonase	and using	Examinations	
		11101110111101	21101110111011100	explanations		
70.0		1 ,•				

# 59.Course Evaluation

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

60.Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Michael J. Leboffe. (2002). Microbiology: Laboratory Theory & Application, Brief 3e 3rd Edition
Main references (sources)	Subhash Chandra Parija. 2012. Textbook of Microbiology and Immunology, 2 <sup>nd</sup> 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	

61.Course Name:

Biostatic 1

62.Course Code:

63.Semester / Year:

Semester first / 1<sup>st</sup> 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

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	
	Adnan Shaker Al-Rubaie - Principles of
Required textbooks (curricular books, if any)	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	W.DIXON and F. massey _ Introduction to
journals, reports)	statistical Analysis
	Paul G. Hoel _ Introduction to mathematica
	statistics.
Electronic References, Websites	

			_			
73.Course Name:						
Clinical Chemistry 1						
74.	Course	Code:				
75.		er / Year:				
	Seme	ester first / 1 <sup>st</sup> year				
76.	Descrip	otion Preparation I	Date:			
	202	4/ 2/24				
77.	Availab	ole Attendance Form	ns:			
		Direct				
78.	Numbe	r of Credit Hours (T	Total) / Number of Ur	nits (Total)		
	4 ho	urs / 4 units				
79	. ( name)	Course administra	tor's name (mention	n all, if more tl	nan one	
	Name:	Ashwaq ouda				
	Email:	•				
80.	Course	Objectives				
Course	Objective	/	ent knows what clinical	• •	rinciples and its	
		-	in the field of medicine.		1 1	
		laboratory.	res the chemical compo	nents in the numa	an body in the	
Q1	Toochir		ntagias			
Strateg		ng and Learning Stra	es and the use of modern	n scientific metho	de in presenting	
Bulaces	J	lectures (data show)		i scientific metho	ds in presenting	
		`	on of theoretical vocabu	lary		
		3. Practical training	in hospitals			
82. Course Structure						
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method	
		Safety standards when	Safety standards when			
		establishing or	establishing or			
		establishing	establishing workshops and scientific			
		workshops and scientific laboratories.	laboratories. Basic			
		Basic equipment to be	equipment to be			
4		available in	available in laboratories . Safety	Giving a lecture		
1	2	laboratories . Safety precautions from the	precautions from the	and using explanations	Examinations	

hazards of laboratory

materials, chemicals

and electricity.

Chemical hazards and

how to deal with them

, Radiation hazards and

how to deal with them.

hazards of laboratory

materials, chemicals

and electricity.

Chemical hazards and

how to deal with them

, Radiation hazards

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

the human body - Normal rate of urine exerction - Definition of of exessive urine - Definition of poor urine - Definition of poor urine of exessive urine - Definition of poor urine Composition of urine and using explanations Diving a lecture and using explanations Examinations Exami						
Natural and unnatural components of urine-general urine analysis clinical importance urinary system stones and their types - and the reasons for their formation   Blood vessels (arteries -veins-capillary blood vessels) properties - blood cycle (pulmonary despirations of pressure - normal value-factors effecting of blood pressure - respiratory muscles - respiratory rate.    Pulmonary volume - pulmonary volume - pulmonary volume - pulmonary volume - pulmonary volume explanations explanations explanations   11			excretion - Definition of excessive urine - Definition of poor	Definition of lack of		
Natural and unnatural components of urine general urine analysis clinical importance urinary system stones and their types - and the reasons for their formation for						
-veins-capillary blood vessels) properties blood cycle (pulmonary blood cycle (pulmonary & systemic)  Blood pressure - normal value- factors effecting of blood pressure - structure - expiration - inspiration - respiratory muscles - respiratory rate.  Pulmonary volume - pulmonary volume - pulmonary volume - pulmonary ventilation - regulation of gas exchange in blood by respiration.  Purinary system - structure - functions sexual stone in urine normal  2 Urinary system - structure - functions  Functions of kidneys-composition of urine - cast and stone in urine normal  Ear and eye ( - cast and stone in urine normal  Ear and eye ( - structure and functions)  Skin (Define , Structures , Functions)  Clinical Chemistry/Mohamed Fathi Al-	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	components of urine - general urine analysis - clinical importance - urinary system stones and their types - and the reasons for their formation	and using	Examinations
normal value-factors effecting of blood pressure  Respiratory system – structure – expiration – inspiration – respiratory muscles – respiratory rate.  Pulmonary volume – pulmonary volume – pulmonary ventilation – respiration.  11 2 - regulation of gas exchange in blood by respiration.  12 2 - Urinary system – structure – functions  Functions of kidneys-composition of urine – cast and stone in urine normal  13 2 - Cast and stone in urine normal  14 2 Ear and eye (structure and functions)  Skin (Define , Structures , Functions)  Skin (Define , Structures , Functions)  Skin (Define , Structures , Functions)  Structures , Functions  Structures , Functions)  Clinical Chemistry/Mohamed Fathi Al-	8	2	<ul><li>veins-capillary blood vessels ) properties – blood cycle (pulmonary</li></ul>	-veins-capillary blood vessels ) properties – blood cycle	and using	Examinations
Structure - expiration -   inspiration -   respiratory muscles -   Giving a lecture and using explanations   exp	9	2	normal value- factors effecting of blood	normal value- factors effecting of blood	and using	Examinations
pulmonary ventilation – regulation of gas exchange in blood by respiration.  12 2 Urinary system – structure – functions  Functions of kidneys-composition of urine – cast and stone in urine normal  14 2 Ear and eye (structure and functions)  Ear and eye (structure and functions)  Skin (Define , Structures , Functions)  Skin (Define , Structures , Functions)  Skin (Define , Structures , Functions)  Structures , Functions  Base exchange in blood by respiration  Urinary system – structure – functions  Functions of kidneys-composition of urine – cast and stone in urine normal  Ear and eye (structure and functions)  Skin (Define , Structures , Functions)  Skin (Define , Structures , Functions)  Skin (Define , Structures , Functions)  Base exchange in blood by respiration  Urinary system – structure – and using explanations  Examinations	10	2	structure –expiration – inspiration – respiratory muscles –	structure –expiration – inspiration – respiratory muscles –	and using	Examinations
12   2   Structure - functions   Structure   Structu	11	2	pulmonary ventilation  – regulation of gas exchange in blood by	pulmonary ventilation  – regulation of gas exchange in blood by	and using	Examinations
13   2	12	2	structure – functions	structure – functions	and using	Examinations
14 2 structure and functions)  Skin (Define, Structures, Functions)  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, reportsetc  84.Learning and Teaching Resources  Clinical Chemistry/Mohamed Fathi Al-	13	2	composition of urine  – cast and stone in	composition of urine – cast and stone in urine	and using	Examinations
Structures, Structures, Functions)  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, reportsetc  84.Learning and Teaching Resources  Clinical Chemistry/Mohamed Fathi Al-	14	2	structure and		and using explanations	Examinations
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reportsetc  84.Learning and Teaching Resources  Clinical Chemistry/Mohamed Fathi Al-	15	2	Structures,		and using	Examinations
preparation, daily oral, monthly, or written exams, reportsetc  84.Learning and Teaching Resources  Clinical Chemistry/Mohamed Fathi Al-	83.C	ourse E	valuation			
84.Learning and Teaching Resources  Clinical Chemistry/Mohamed Fathi Al-	Distrib	uting the	e score out of 100 acco	_		nt such as daily
Required textbooks (curricular books, if any)  Clinical Chemistry/Mohamed Fathi Al-			_ <del>-</del>			
				Clinical C		

	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	_		

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85.Course	Name:					
Computer Applications 1						
86.Course Code:						
87.Semeste						
Semes	ter first / 1	st year				
88.Descrip	tion Prepai	ration Date:				
2024	/ 2/24					
89.Availab	e Attendan	ce Forms:				
	Di	rect				
90.Number	of Credit F	Iours (Total) / Number of Units (Total)				
3 hou	rs / 3 unit	S				
91. C	ourse adm	ninistrator's name (mention all, if more than one				
name)						
Name: I	Iussien ali					
Email:						
92.Course (						
Course Objective	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		g lectures using modern presentation methods				
	-	estions, transferring the reality of the lecture from the theoretical to				
	practical  • Distribution	ag students into groups to discuss specific topics				
94 Course Str	Distributing students into groups to discuss specific topics  94. Course Structure					
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).	frequen	the most tly used ands).				
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		
		valuation						
	Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reportsetc							
	96.Learning and Teaching Resources							
	Required textbooks (curricular books, if any)							
Main references (sources)								
	Recommended books and references (scientific journals, reports)							
Electro	Electronic References, Websites							

$\sim$	<u>C</u>	NT						
97.Course Name:								
	Human rights and democracy							
98.	98.Course Code:							
99.	99.Semester / Year:							
	Seme	ester first / 1 <sup>st</sup> year						
100	0. I	Description Prepara	ation Date:					
	2024/ 2/24							
10	$\overline{1.}$	Available Attendanc	e Forms:					
		Direct						
102	2. N		ours (Total) / Number	r of Units (Tot	a1)			
102		urs / 2 units	rais (Total) / Traines	or emis (rot	<u>ui)</u>			
10		•	or's name (mention	all if more t	han one			
10	name)	Jourse aurillisitat		raii, ii iiillie l	nan one			
		saif saad						
		Sall Saau						
10	Email:	7 01						
104		Course Objectives	1 .1	1 1 1 1 . 1 . 1	. 1 .1			
Course	Objectiv		about human principles, v		ntroduces them,			
			nerations to respect and ad		thair dataila			
10.	<u>-</u> 7		ral freedoms and what thes	e freedoms are m	their details			
10:		Teaching and Learni	<u> </u>					
Strateg			etical lectures, direc	t questions,				
	ourse S		** **		<b>.</b>			
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method			
		Human rights - their	Human rights - their	Giving a	memou			
1	2		110111011111111111111111111111111111111	CHVIIIS a				
1	2	definition - their goals	definition - their goals	lecture and	Evaminations			
		definition - their goals	definition - their goals	lecture and using	Examinations			
		_		lecture and using explanations	Examinations			
		Human rights in	Human rights in divine	lecture and using explanations Giving a				
2	2	Human rights in divine laws, with a	Human rights in divine laws, with a focus on	lecture and using explanations Giving a lecture and	Examinations  Examinations			
2	2	Human rights in	Human rights in divine	lecture and using explanations Giving a				
2	2	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental	lecture and using explanations Giving a lecture and using				
2	2	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and	lecture and using explanations Giving a lecture and using				
2	2	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights	lecture and using explanations Giving a lecture and using explanations				
		Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and	lecture and using explanations Giving a lecture and using	Examinations			
3	2	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International	lecture and using explanations Giving a lecture and using explanations				
		Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human	lecture and using explanations Giving a lecture and using explanations  Giving a lecture and	Examinations			
		Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab	lecture and using explanations Giving a lecture and using explanations  Giving a lecture and using	Examinations			
		Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab Human Rights	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab Human Rights	lecture and using explanations Giving a lecture and using explanations  Giving a lecture and using	Examinations			
		Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab Human Rights Organizations).	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab Human Rights Organizations).	lecture and using explanations  Giving a lecture and using explanations  Giving a lecture and using explanations	Examinations			
		Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab Human Rights	Human rights in divine laws, with a focus on human rights in Islam  Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab Human Rights	lecture and using explanations Giving a lecture and using explanations  Giving a lecture and using	Examinations			

		reality - The Iraqi	reality - The Iraqi	using	
		Constitution	Constitution	explanations	
_	_	The relationship between human rights and public freedoms: • In the Universal	The relationship between human rights and public freedoms: • In the Universal	Giving a lecture and	
5	2	Declaration of Human Rights • In regional charters and national constitutions	Declaration of Human Rights • In regional charters and national constitutions	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 nongovernmental 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

_						
		The concept of	The cor			
		freedoms and the	freedoms			
		preservation of public	preservatio	n of public	Giving a	
13	2	freedoms:	freed	oms:	lecture and	Examinations
13	<u> </u>	-Fundamental	-Funda	mental	using	Lammations
		freedoms, intellectual	freedoms,	ntellectual	explanations	
		freedoms, economic	freedoms,	economic		
		and social freedoms	and social	freedoms		
		Freedom of security	Freedom o	of security	Giving a	
14	2	and feeling of	and fee	ling of	lecture and	F
14	2	reassurance - freedom	reassurance - freedom		using	Examinations
		to come and go	to come and go		explanations	
		Freedom of education	Freedom of education -		Giving a	
15	2	- freedom of the press	freedom of the press		lecture and	Examinations
15	2	Freedom of assembly	Freedom of assembly -		using	Examinations
		- freedom of women	freedom of women		explanations	
107.	Course	Evaluation				
Distrib	uting the	e score out of 100 acco	rding to the	tasks assig	ned to the stude	ent such as daily
prepar	ation, da	ily oral, monthly, or w	ritten exam	s, reports	etc	
108.	Learnin	ng and Teaching Res	ources	-		
Require	Required textbooks (curricular books, if any)				skills	
Main references (sources)						
Recommended books and references (scientific						
journal	s, reports	i)	•			
		rences, Websites				

109	9. (	Course Name:				
	Com	munity	Health			
110	0. (	Course C	ourse Code:			
11	1. S	emeste	:/Year:			
	Seme	ester seco	ond / 1 <sup>st</sup> yea	r		
112	2. I	Descripti	on Prepara	ation Date:		
	202	4/ 2/24				
113	3. <i>A</i>	Available	Attendanc	e Forms:		
			Direct			
114	4. N	Number o	of Credit Ho	ours (Total) / Number	r of Units (Tota	al)
	5 ho	urs / 5 เ	ınits			
11	5. ( name)	Course a	administrat	tor's name (mentior	n all, if more tl	han one
	Name:	Hussien	aziz			
	Email:					
110			bjectives			
Course	Objectiv	es		he goals and strategies of t	•	•
			•Learn abo	out the services and duties	provided in prim	ary neam care
				now to organize the family 1	egistry forms for p	regnant women
			and childs	-	Say and F	8
			•To know	the most important types of	of vaccines and wa	ys to deal with
			them			
			•To know h	nealth information and mea	sures of health and	l illness
11'				ng Strategies		
Strateg	$\mathbf{y}$			es and the use of modern	scientific metho	ds in presenting
			s (data show)	on of theoretical vocabu	logy	
			ical applicati		iai y	
118.Course Structure						
Week	Hours	Require	d Learning	Unit or subject	Learning	Evaluation
		Outcom		name	method	method
			lisease, its factors that	The disease, its causes, and factors affecting	Giving a lecture	
1	2		the disease	the occurrence of the	and using	Examinations
		(causa	itive, host,	disease (the	explanations	
			ronment).	epidemiological triad)	Giving a lecture	
2	2		ducation and	Health education and its	and using	Examinations
		its pi	rocedures	procedures	explanations	

3	2	Acute respiratory infections and their control	Acute respiratory infections and their control	Giving a lecture and using explanations	Examinations
4	2	Nutrition and food - the basic elements of lunch and how they affect the structure, growth and development of the child - diseases of malnutrition	Nutrition and food - the basic elements of lunch and how they affect the structure, growth and development of the child - diseases of malnutrition	Giving a lecture and using explanations	Examinations
5	2	The concept of school health and mental health - the emergence of school health services	School health - services - goals - programs	Giving a lecture and using explanations	Examinations
6	2	Objectives and importance of school health - development of school health systems	Objectives and importance of school health - development of school health systems	Giving a lecture and using explanations	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 diseasesPrinciples of prevention - types of prevention	Prevention and control of communicable diseasesPrinciples 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	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.	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, reportsetc					

eparation, 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

10	1 (	Yannaa N	Ta					
12		Course N						
	Fundamentals of Nursing 2							
122	2. (	Course C	Course Code:					
123	3. S	emestei	/ Year:					
			ond $/1^{st}$ year	ar				
124			ion Prepara					
		4/ 2/24	on I open					
12:			Attendance	Forme:				
12,	J. F	<b>Y</b> variable	Direct	CTOMIS.				
10.	<u> </u>	T1		(T-4-1) / N1		.1\		
120				ours (Total) / Number	r of Units (10ta	11)		
_		urs / 4 ι						
12		Course a	administrat	or's name (mention	n all, if more th	nan one		
	name)							
	Name:	Mustafa	hakem					
	Email:							
128	8. (	Course O	bjectives					
Course	Objective	es	Knowledg	e of nursing property				
			<ul> <li>Knowledg</li> </ul>	e of vital signs, how to me	asure them, and lal	poratory tests		
			• Methods o	f administering and storin	g medications			
			• First aid					
129	9. T	Ceaching	and Learni	ng Strategies				
Strateg				es and the use of modern	scientific method	ds in presenting		
	-		s (data show)			1 &		
		2. Pract	tical applicati	on of theoretical vocabu	lary			
			tical training i	n hospitals				
	ourse S							
Week	Hours	_	d Learning	Unit or subject	Learning	Evaluation		
		Outcom		name	method	method		
			of Nurse in	Role of Nurse in				
	_		ng blood on the goal of	giving blood transfusion the goal of	Giving a lecture			
1	2		ransfusion,	blood transfusion,	and using	Examinations		
			ant notes in	important notes in	explanations			
		blood	l infusion.	blood infusion.				
			on & oxygen,	Inhalation & oxygen,	Cining 1			
2	2		d of giving goals, nursing	method of giving oxygen, goals, nursing	Giving a lecture and using	Examinations		
	2		tions during	observations during	explanations	Lammanons		
			g oxygen.	giving oxygen.	Y			
			asogastric	Nasogastric feeding,	Cinin 1			
3	2		ng, nursing	nursing procedures and	Giving a lecture and using	Examinations		
3	<u> </u>	•	edures and	nursing care, gastric lavage, definition,	explanations	Lammanons		
		nursing	g care, gastric	iavage, ueiiiiiiiiiii,	F			

		goals, nursing care during gastric	during gastric lavage		
		during gastric			
		3 0			
		lavage			
		Urinary	. Urinary		
1 1		catheterization,	catheterization,		
1		definition, goals,	definition, goals,	Giving a lecture	
4	2	nursing observations,	nursing observations,	and using	Examinations
		enema, definition,	enema, definition,	explanations	
		goals, nursing	goals, nursing		
		observations.	observations.		
		Pre & post-operative nursing care nursing	Pre & post-operative nursing care nursing		
		care in recovery	care in recovery room,		
	_	room, complications	complications after	Giving a lecture	
5	2	after surgery	surgery (bleeding,	and using	Examinations
		(bleeding, wound	wound contamination,	explanations	
		contamination,	embolus, constipation		
		embolus, constipation	, 1		
		First aid, goals,	, First aid, goals,	Giving a lecture	
6	2	general principles in	general principles in first	C	Examination
		first aid.	aid.	explanations	
		First aid of wounds,	First aid of wounds,		
		types of wounds (open	types of wounds (open,	Cirring a 1 actum	
7	2	close) wounds	close) wounds	Giving a lecture	Examinations
/	2	contamination, signs	contamination, signs	and using explanations	Examinations
		and symptoms of wound infection	and symptoms of wound infection	explanations	
		treatment procedures .	treatment procedures		
		First aid in bleeding,	First aid in bleeding,		
		definition, types of	definition, types of		
		bleeding (arterial,	bleeding (arterial,		
		venous capillary) first	venous capillary) first	Giving a lecture	
8	2	aid of all types of	aid of all types of	and using	Examinations
		bleeding, Epitasis,	bleeding, Epitasis,	explanations	
		definition, first	definition, first aid and		
		aid and nursing	nursing procedures		
		procedures.	T' 4 '1 C 1 1		
		First aid of shock,	First aid of shock,		
		definition, types of shock (neurogenic,	definition, types of shock (neurogenic,	Giving a lecture	
9	2	psychiatric, toxic,	psychiatric, toxic,	and using	Examinations
		anaphylactic,	anaphylactic,	explanations	
		cardiogenic.)	cardiogenic)		
	2	First aid in	First aid in fractures,		
		fractures, definition,	definition, types of		
		types of fractures	fractures, signs and	Giving a lecture	
10		,signs and symptoms,	symptoms,	and using	Examinations
		complications,	complications, nursing	explanations	
		nursing care for	care for patient treated	*	
		patient treated by	by splint.		
<del>  </del>	2	splint . First aid of burns,	First aid of burns,	Giving a lecture	
11	۷	definition, types and	definition, types and	and using	Examinations
11		actinition, types and	definition, types and	explanations	

		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	
	Principles of practical nursing
Required textbooks (curricular books, if any)	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	Ahlam Farag, Elham Amin - Basic Principle
journals, reports)	Nursing - Ministry of Higher Education
	Scientific Research - 2986
Electronic References, Websites	

133. Course Name:
General Anatomy 2
134. Course Code:
135. Semester / Year:
Semester second / 1 <sup>st</sup> 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
- 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				
Distrib	Distributing the score out of 100 according to the tasks assigned to the student such as daily					

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

144. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Principle of anatomy, Dr. Hani T. Al-Azawi, 4 <sup>th</sup> 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

145.		ourse Name:			
		ology 2			
146.	Co	ourse Code:			
147.		mester / Year:			
	Semes	ter second / 1 <sup>st</sup> year			
148.	De	escription Preparati	on Date:		
	2024	/ 2/24			
149.	Av	vailable Attendance I	Forms:		
		Direct			
150.	Nı	umber of Credit Hou	rs (Total) / Number	of Units (Tota	al)
	4 hou	rs / 4 units			
151	. Co	ourse administrator	's name (mention	all, if more tl	han one
n	ame)				
N	lame: A	li Musa			
E	Email:				
152.	Co	ourse Objectives			
Course C	<b>D</b> bjectives	1- The student	is able to know physic	ology of human b	oody
		(Structure a	and functions)		-
		2- The student	is able to done more c	linical examinati	on that
		Related wit	h physiology		
153.	То	and Lorning	Ctrotogies		
Strategy	10	<ul><li>eaching and Learning</li><li>Direct questions</li></ul>	Sualegies		
Strategy			reality of the lecture fro	om the theoretica	al to the practical
			ents into groups to disc		
154.Co	urse Str	ucture			
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
		Digestive system –	Digestive system –	Giving a lecture and	
1	2	Parts of it.	Parts of it.	using	Examinations
				explanations	
		Stages of digestion (	Stages of digestion ( Oral, Stomach,	Giving a lecture and	
2	2	Oral , Stomach , Intestine). and	Intestine). and	using	Examinations
		digestives enzymes.	digestives enzymes.	explanations	
		Intestinal functions	Todayati 1.6	Giving a	
3	2	and absorption.	Intestinal functions and absorption.	lecture and using	Examinations
		una absorption.	and absorption.	explanations	
		Digestive system	Digestive system	Giving a	
4	2	glands (salivary glands	glands (salivary glands, pancreas-	lecture and	Examinations
		, pancreas- Liver)	Liver) structure -	using	Lammations
		structure -Functions	Functions	explanations	

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

1 F / T	•	1 00	1 .	D
156 1	earning	and Tea	chino .	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	

			bescription 1 of				
15'	157. Course Name:						
	Med	dical Microbiology	2				
15	8. C	Course Code:					
159	9. S	Semester / Year:					
	Seme	ester second / 1st yea	r				
16	0. I	Description Prepara	ation Date:				
	202	4/ 2/24					
16	1. <i>A</i>	Available Attendance	e Forms:				
		Direct					
16	2. N	Number of Credit Ho	ours (Total) / Number	r of Units (Tota	al)		
	4 ho	urs / 4 units					
16	3. C	Course administrat	or's name (mentior	n all, if more th	han one		
	name)		`				
	Name:	Ali Anok					
	Email:						
16	4. C	Course Objectives					
Course	Objective	es • General ob	ojectives:				
		Student with	ill be able to know a simpl	e general idea abou	ıt:		
		_	s (Bacteria, fungi, parasite	es and viruses), the	e immunity and		
		disease pre					
		Special ob	•				
			ill be able to:				
			se some simple cases in hi	s field work, instea	nd of specialest,		
		_	ielest is absent.				
			ests in the labs.				
		-	eserve and transport the pa				
1.6	<i>~</i>		lvice for disease prevention	n and control			
16:		Feaching and Learning	ng Strategies				
Strateg	y	• Direct questions	ality of the lecture from	the theoretical to	the practical		
		_	ts into groups to discuss		the practical		
166.C	ourse St		to into groups to discuss	specific topics			
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation		
		Outcomes	name	method	method		
4	2	Blood flagellates,	Blood flagellates,	Giving a lecture	- · ·		
1	1 2 Leishmania		Leishmania Leishmania	and using	Examinations		
		Sporozoa,		explanations Giving a lecture			
2	2	Plasmodium,	Sporozoa, Plasmodium,	and using	Examinations		
		Toxoplasma	Toxoplasma	explanations			
		Helimenthes,	Holimonthes Tossis	Giving a lecture	Evominations		
3	2	Taenia.	Helimenthes, Taenia.	and using explanations	Examinations		
				capiananons	l		

4	2	Echinococcus granulosis	Echino granı		Giving a lecture and using explanations	Examinations
5	2	. Hymenolipes nana	. Hymeno	lipes nana	Giving a lecture and using explanations	Examinations
6	2	. Trematoda helminthes.	. Trematoda	a helminthes	Giving a lecture and using explanations	Examination
7	2	Trepanoma ,Schistosomes		noma osomes	Giving a lecture and using explanations	Examinations
8	2	Bacterial genetics	Bacteria	genetics	Giving a lecture and using explanations	Examinations
9	2	Immunty and immune system		nd immune tem	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	. Autoimm	une diseases	Giving a lecture and using explanations	Examinations
14	2	Discussion of course material		n of course terial	Giving a lecture and using explanations	Examinations
15	2	Discussion of course material	Discussion mate		Giving a lecture and using explanations	Examinations
167.	Course	Evaluation			•	
prepar	ation, da	e score out of 100 accoully oral, monthly, or w	ritten exam			nt such as daily
168.	Learnin	g and Teaching Res	ources		X 1 60 (2002	
Required textbooks (curricular books, if any)  Michael J. Leboffe. (2002). Microbiology: Laboratory Theory & Application, Brief 3e 3rd Edition						on, Brief 3e 3rd
Main re	eferences	(sources)			sh Chandra Parija. 20 piology and Immunol	
	mended l	books and references (se)	cientific	P.C. Trivedi TEXT BOO	, Sonali Pandey, See K OF MICROBIOL Distributors. ISBN 9	
Electro	nic Refe	rences, Websites		, , ,		

			Course	c Description 1 of			
169	9. (	Course N	ame:				
Biostatic 2							
170	170. Course Code:						
17			r / Year:				
			ond / 1 <sup>st</sup> yea				
172			ion Prepara	ation Date:			
		4/ 2/24					
173	3. <i>A</i>	Available	Attendance	e Forms:			
			Direct			-	
174				ours (Total) / Number	r of Units (Tota	al)	
		urs / 2 u					
17	5. ( name)	Course a	administrat	or's name (mention	n all, if more ti	nan one	
	Name:	Amal sa	heb				
	Email:						
17			bjectives				
Course	Objectiv	es	•	ith statistical data			
				ith and knowing statistical			
			•	g the statistical form and he	ealth form related to	daily incidents	
17	7 7	Facabina		pirths, deaths, and diseases			
Strateg			t questions	ng Strategies			
buateg	J			ality of the lecture from	the theoretical to	the practical	
			_	ts into groups to discuss		•	
	ourse S						
Week	Hours			Unit or subject	Learning	Evaluation	
		Outcom	fic research	name Scientific research (the	method	method	
			rpose of the	purpose of the research	Giving a lecture		
2&1	2		and what are	and what are the	and using	Examinations	
			mbitions g procedures)	ambitions regarding procedures)	explanations		
			of scientific	Ethics of scientific	Giving a lecture		
3	2		search	research	and using	Examinations	
	explanations Giving a lecture						
4 2 Structure of Structure of scientific research Structure of scientific and using Examinations							
		SCIEIII	inc research	research	explanations		
5	2		of statistical	Types of statistical	Giving a lecture and using	Examinations	
			tudies	studies	explanations		
70-6	2		of research cal method)	Basics of research (statistical method)	Giving a lecture	Eveninations	

-Data collection

technology

and using explanations

Examinations

-Data collection

technology

7&6

2

		-Data collection plan	-Data colle	ection plan		
		-data analysis		nalysis		
		-Testing and ethical	-Testing and ethical			
		considerations	•	erations		
8&9&10	2	Preparing a questionnaire form		aring a naire form	Giving a lecture and using explanations	Examination
		How to transcribe	How to t	ranscribe	•	
11	2	questionnaires and convert them into classified statistical	convert	naires and them into statistical	Giving a lecture and using explanations	Examinations
		data		ata	Capitaliations	
13&12	2	How to start scientific research (choosing the title, objectives, type of samples)	research (c title, object	rt scientific hoosing the ives, type of ples)	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				
Distrib	uting the	e score out of 100 acco	rding to the	tasks assig	ned to the stude	nt such as daily
		ily oral, monthly, or w				•
180.	Learnin	ng and Teaching Res	ources	-		
		8 8 8		Adnan Shaker Al-Rubaie - Principles of		
Require	ed textbo	oks (curricular books, if	f any)	statistics and its uses in the field of public		
•		•	• .	health / Ministry of Health 1981		
Main re	eferences	(sources)		Banderford Hill. Fundamental in		
			Biostatistics 1975			
			F. Margrette -Fundamental in Public health			
		books and references	(scientific		N and F. massey $\_$	_ Introduction to
journal	s, reports	)		statistical		
					oel _ Introduction	n to mathematical
				statistics.		

Electronic References, Websites

18	1 (	lourse N	lame:			
10			emistry 2			
182		Course C	<u> </u>			
10.	۷. د	ourse C	oue.			
10'	2 0		. / 37			
183			r / Year:			
			ond / 1 <sup>st</sup> yea			
184			ion Prepara	ation Date:		
	202	4/ 2/24				
18:	5. <i>A</i>	vailable	Attendance	e Forms:		
			Direct			
180	6. N	Number o	of Credit Ho	ours (Total) / Numbe	r of Units (Tota	al)
		urs / 4 เ			`	,
18	7. (	Course a	administrat	or's name (mention	n all. if more t	han one
	name)			(	,	
		Ashwaq	ouda			
	Email:	10111149	oudu			
183		ourse O	bjectives			
	Objective		U	ent knows what clinical	chemistry is its n	rinciples and its
Course	Objective			in the field of medicine.	enemistry is, its p	incipies and its
			-	res the chemical compo	nents in the huma	an body in the
			laboratory.	1		,
189	9. T	eaching	<u> </u>	ng Strategies		
Strateg				es and the use of modern	scientific metho	ds in presenting
			s (data show)			F8
		2. Prac	tical applicati	on of theoretical vocabu	lary	
			tical training i	n hospitals		
	ourse St					
Week	Hours	_	_	Unit or subject	_	Evaluation
		Outcom		name	method	method
1	2		erides - types cerides - their	Triglycerides - types of triglycerides - their	Giving a lecture and using	Examinations
1	2	~ .	significance.	clinical significance.	explanations	Lammations
			ns - protein	Proteins - protein		
			- amino acids	structure - amino acids -		
	2		ties of amino	properties of amino	Giving a lecture	T
2	2	acids - ui	nion of amino	acids - union of amino	and using	Examinations
				! 1 - 4 - C 4 - !	1	
			form protein -	acids to form protein -	explanations	
		peptide b	ond - Zwitter	peptide bond - Zwitter	explanations	
		peptide b			explanations	
		peptide b	ond - Zwitter ion.	peptide bond - Zwitter ion.  Classification of proteins in the human		
		. Clas	oond - Zwitter ion. ssification of	peptide bond - Zwitter ion.  Classification of proteins in the human body - insoluble	Giving a lecture	
3	2	. Clas	oond - Zwitter ion. ssification of teins in the	peptide bond - Zwitter ion.  Classification of proteins in the human body - insoluble proteins - soluble	Giving a lecture and using	Examinations
3	2	. Clas prothur insolu	oond - Zwitter ion. ssification of teins in the nan body -	peptide bond - Zwitter ion.  . Classification of proteins in the human body - insoluble proteins - soluble proteins - blood plasma	Giving a lecture	Examinations
3	2	. Class proteinsolution solutions	oond - Zwitter ion. ssification of teins in the nan body - ble proteins -	peptide bond - Zwitter ion.  Classification of proteins in the human body - insoluble proteins - soluble	Giving a lecture and using	Examinations

		proteins - serum proteins - functions and المتحانات importance of proteins in the human body - clinical significance of total protein in serum	المتحانات importance of proteins in the human body - clinical significance of total protein in serum		
4	2	Techniques used to separate different types of blood proteins - Electrophoresis of serum proteins - Factors affecting the electrophoresis process - Types of supporting media - Separation method - Methods for reading the results	Techniques used to separate different types of blood proteins - Electrophoresis of serum proteins - Factors affecting the electrophoresis process - Types of supporting media - Separation method - Methods for reading the results	Giving a lecture and using explanations	Examinations
5	2	Non-protein nitrogen compounds - their types in the human body - uric acid - the biosynthesis of uric acid - the clinical importance of uric acid - urea - the biosynthesis of urea - the clinical importance of urea	Non-protein nitrogen compounds - their types in the human body - uric acid - the biosynthesis of uric acid - the clinical importance of uric acid - urea - the biosynthesis of urea - the clinical importance of urea	Giving a lecture and using explanations	Examinations
6	2	Creatine - Creatine biosynthesis - Clinical significance of creatine - Creatinine - Creatinine biosynthesis - Clinical significance of creatinine - Creatinine clearance test	Creatine - Creatine biosynthesis - Clinical significance of creatine Creatinine - Creatinine biosynthesis - Clinical significance of 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

		Engranas Engations	Engrape	Franctions of		
		Enzymes - Functions	•	Functions of		
		of enzymes in the		the body -		
		body - Classification		cation of		
		of enzymes - Factors		- Factors		
		affecting the work of	•	he work of		
		enzymes - The basic	•	The basic	Giving a lecture	
10	2	substance on which		on which the	and using	Examinations
10		the enzyme works -	•	orks - How	explanations	Zammarons
		How does an enzyme		zyme work -	Сирганаціона	
		work - GOT & GPT		PT enzymes		
		enzymes - Properties	- Prope	rties and		
		and function of each	function of	each and its		
		and its clinical	clinical in	nportance		
		importance				
		Alkaline phosphatase	Alkaline p	hosphatase		
		and acid gosgatase -		gosgatase -	Giving a lecture	
11	2	properties, functions		, functions	and using	Examinations
		and clinical		linical	explanations	
		significance of each		ce of each	<b>F</b>	
		Amylase and lipase -	Amylase a		Giving a lecture	
		properties, functions	properties,		and using	
12	2	and clinical	and clinical		explanations	Examinations
		significance of each	significance of each			
		Vitamins - their		ns - their		
		classification - Vitamins	classification - Vitamins (A - B - C -		Giving a lecture	
		(A - B - C - D) their				
13	2	respective functions - an			and using	Examinations
		their sources		- and their	explanations	
		then sources		irces		
		Hormones - nature of		s - nature of		
		hormones - their				
		functions - some	hormones - their		Giving a lecture	
		important hormones		functions - some		
14	2	and their functions	important hormones and their functions and		and using	Examinations
					explanations	
		and the gland	the gland producing		-	
		producing each of	each of them			
		them Introduction to PCR	Interestination	on to DCD		
			Introduction		Civina a la -t	
1.5		technique	technique (	•	Giving a lecture	Eveninetiene
15	2	(Polymerase chain	chain rea	*	and using	Examinations
		reaction) - definition	definition -	_	explanations	
101		- importance - uses	- us	ses		
191.	Course	Evaluation				
Distrib	outing th	e score out of 100 acco	rding to the	tasks assig	ned to the stude	nt such as daily
		aily oral, monthly, or w				
		ng and Teaching Res				
1,720	Louinn	is and reading fres	331005	Clinical	hamietry/Maham	and Eath; A1
					Chemistry/Moham	
Hawari/Technical Education Authority						•
Reauir	ed textbo	oks (curricular books, i	f any)		Chemistry / Saeeb	
		(1322137442 0 0 0 145)	-/ <del>-</del> -J/		lman - Maysoon S	
				Technical	Education Author	ority
1						

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	

193	3. C	ourse Name:					
Computer Applications 2							
194	1. C	ourse Code:					
195	5. S	emester /	Year:				
	Seme	ster secon	d / 1 <sup>st</sup> yea	r			
196	5. D	escriptio	n Prepara	ntion Date:			
		4/ 2/24	•				
197	7. A	vailable <i>A</i>	Attendance	e Forms:			
		I	Direct				
198	3. N	Number of	Credit Ho	ours (Total) / Number	r of Units (Tota	al)	
	3 ho	urs / 3 un	its	, , ,	·	,	
199	9 (	Course ad	lministrat	or's name (mentior	n all if more th	nan one	
	name)	Journe de	iii ii oti at	or o marrio (mornior	1 411, 11 111010 11		
		Ghdeer Ib	rahem M	aki			
		ghdeer.ma					
200		Course Obj		<u> </u>			
Course	Objective			nt must be able to deal wit	th a computer, be fa	amiliar with its	
				understand how to use its	-		
201	l. T	eaching a	nd Learnin	ng Strategies			
Strategy	y		-	using modern presentati			
			uestions, tr	ansferring the reality of	the lecture from the	he theoretical to t	
		practical	iting studen	to into groups to disques	specific topics		
Distributing students into groups to discuss specific topics  202.Course Structure							
Week	Hours	Required	Learning	Unit or subject	Learning	Evaluation	
VVCCK	Hours	Outcomes	_	name	method	method	
		Desktop m		Desktop main screen			
		componen		components desk top			
		The conce		The concept of the			
		icon - Ico		icon - Icon. How to	Giving a lecture		
1	2	deal with		deal with mouse	and using	Examinations	

activities - The

importance and

components of the

Task bar

activities - The

importance and

components of the

Task bar

explanations

		The concept of the	The concept of the		
2	2	window for any program and identifying its main components - dealing with desktop icons such as (My Computar - MyDocumant - Recycle BIN)	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 advagadditional such as the	programs	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						
Distrib prepar	uting the	e score out of 100 acco uily oral, monthly, or w	ritten exam			nt such as daily
204. Learning and Teaching Resources						
	Required textbooks (curricular books, if any)					
Main references (sources)  Recommended books and references (scientific						
	mended s, reports		(scientific			
		ences, Websites				
Liceno		CIICOS, 11 COSICOS				

English Language  206. Course Code:  207. Semester / Year: Semester second/ 1 <sup>st</sup> year  208. Description Preparation Date: 2024/ 2/24				
207. Semester / Year: Semester second/ 1 <sup>st</sup> year 208. Description Preparation Date:				
Semester second/ 1 <sup>st</sup> year  208. Description Preparation Date:				
Semester second/ 1 <sup>st</sup> year  208. Description Preparation Date:				
208. Description Preparation Date:				
* *				
2024/2/24				
<u> </u>				
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				
<ul> <li>Strategy</li> <li>Delivering lectures using modern presentation methods</li> <li>Distributing students into groups to discuss specific topics</li> </ul>				
214.Course Structure				
Week   Hours   Required Learning   Unit or subject   Learning   Evaluation				
Outcomes name method 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, reportsetc				
216. Learning and Teaching Resources				
Required textbooks (curricular books, if any)  Academic skills  Main references (courses)				
Main references (sources)  Recommended books and references (scientific				
journals, reports)				
Electronic References, Websites				

217.	Course Nar	ne:				
	Pharmacology 1					
218.	Course Cod	le:				
219.	219. Semester / Year:					
	Semester first /	2 <sup>nd</sup> year				
220.	Description	n Preparation Date:				
	2024/ 2/24					
221.	Available A	Attendance Forms:				
	Γ	Direct				
222.	222. Number of Credit Hours (Total) / Number of Units (Total)					
	4 hours / 4 un	its				
223. Co	ourse administ	rator's name (mention all, if more than one name)				
Na	ame: Kareem M	ohammed Email:				
224.	Course Obj	ectives				
Course Ob	jectives	Basic science of pharmacology				
		<ul> <li>The activity of drugs</li> </ul>				
		<ul> <li>Absorption and excretion of drug</li> </ul>				
		<ul> <li>Dose and dosage form</li> </ul>				
	• Toxicology, toxins, poisoning with metals.					
225.	225. Teaching and Learning Strategies					
Strategy	1. Theoretical lea	ctures and the use of modern scientific methods in presenting lectures				
	(data show)					
2. Practical application of theoretical vocabulary						
	3. Practical training in hospitals					
226.Cou	rse 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 &	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	Giving a lecture and using explanations	Examinations
227.	drugs.  227. Course Evaluation				
	Distributing the score out of 100 according to the tasks assigned to the student such as daily				
			written exams, reports	.etc	
228. Learning and Teaching Resources					

$\mathcal{E}$	
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	

229	9. (	ourse Name:				
M	Medicine & Surgery 1					
230	0. (	Course Code:				
23		Semester / Year:				
	Seme	ester first /2 <sup>nd</sup> year				
232		Description Prepara	ation Date:			
	202	4/ 2/24				
233	3. <i>A</i>	Available Attendanc	e Forms:			
		Direct				
234	4. N	Number of Credit Ho	ours (Total) / Numbe	r of Units (Tota	al)	
	6 ho	urs / 6 units				
23	5. (	Course administrat	tor's name (mentio	n all, if more t	han one	
	name)					
		Teba shaker				
	Email:					
230		Course Objectives				
Course	Objectiv		The Student Will be able h	-		
			<ul> <li>Special; The Student Will be able to give blood &amp; injection</li> <li>The Student Will be able to dress Wound.</li> </ul>			
			ent Will be able to m		ccure nulce	
			'emperature .	easure blood pre	ssure, puise	
23	7. Т	Teaching and Learni				
Strateg			es and the use of moderr	scientific metho	ds in presenting	
	-	lectures (data show)			1 0	
			on of theoretical vocabu	lary		
229 C	ourse S	3. Practical training	in hospitals			
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation	
WEEK	110015	Outcomes	name	method	method	
		Diphtheria ( Medicine	Diphtheria ( Medicine	Giving a lecture		
1	2	) + Head injury (	) + Head injury (	and using	Examinations	
		Surgery ) Whooping Cough ,	Surgery ) Whooping Cough ,	explanations Giving a lecture		
2	2	Mumps (M)+	Mumps (M)+	and using	Examinations	
		Meningeal injury (S)	Meningeal injury (S)	explanations		
3	2	Typhoid (M) + face	Typhoid (M) + face	Giving a lecture and using	Examinations	
3	2	injury (S)	injury (S)	explanations	Examinations	
		Measles, german	Measles, german			
		Measles, small pox	Measles ,small pox	Giving a lecture		
4	2	(M) + surgical mouth (S),	(M) + surgical mouth	and using	Examinations	
			(S),	explanations		
		corona virus	corona virus infections			

infections

		Infection of mouth	Infection of mouth and	Giving a lecture		
5	2	and tongue (M) +	tongue (M) + surgical	and using	Examinations	
		surgical tongue (S)	tongue (S)	explanations		
		Gastritis and	Gastritis and pepticulce	Giving a lecture		
6	2	pepticulcer (M) +	(M) + gum ulcer (S)	and using	Examinations	
		gum ulcer (S)	(W) + guill dicci (5)	explanations		
_		Jaundice (M) +	Jaundice (M) +	Giving a lecture		
7	2	tonsillitis (S)	tonsillitis (S)	and using	Examinations	
		(2)		explanations		
0	2	Heart failure (M)) +	Heart failure (M)) +	Giving a lecture	F	
8	2	esophagus ca. (S)	esophagus ca. (S)	and using	Examinations	
		1 0		explanations		
9 & 10	2	Myocardial infarction	Myocardial infarction	Giving a lecture	Examinations	
9 & 10	2	and angina (M)	and angina (M)	and using explanations	Examinations	
			Ca. stomach, ca.	Giving a lecture		
11	Ca. stomach, ca. intestine (S)		intestine (S)	and using	Examinations	
11			intestine (5)	explanations		
		11 ( ) ( ) ( )	II ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	Giving a lecture		
12		Hypertension (M) +	Hypertension (M) +	and using	Examinations	
		appendicitis (S)	appendicitis (S)	explanations		
		Congenital heart	Congenital heart	Giving a lecture		
13		disease (M) +	disease (M) + intestinal		Examinations	
10		intestinal obstruction	obstruction (S)	explanations		
		(S)				
1.4		14 Pneumonia (M) +	14 Pneumonia (M) +	Giving a lecture	Enaminations	
14		liver abscess (S)	liver abscess (S)	and using	Examinations	
				explanations Giving a lecture		
15		Asthma (M) + liver	Asthma (M) + liver	and using	Examinations	
10		injury (S	injury (S	explanations	274711114110115	
239	Course	Evaluation		F		
	Distributing the score out of 100 according to the tasks assigned to the student such as daily					
					iii sucii as uaily	
preparation, daily oral, monthly, or written exams, reportsetc						
240. Learning and Teaching Resources						

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	e Description For	rm		
24	1. (	Course Name:				
Community Health						
242	2. (	Course Code:				
243	3. S	Semester / Year:				
	Seme	ester first / 2 <sup>nd</sup> year				
244	4. I	Description Prepara	ation Date:			
	202	4/ 2/24				
24:	5. <i>A</i>	Available Attendance	e Forms:			
		Direct				
240	6. N	Number of Credit Ho	ours (Total) / Numbe	r of Units (Tota	al)	
		urs / 5 units				
24		Course administrat	or's name (mention	n all, if more tl	han one	
	name)					
	Name:	Watheq amer Ema	il:			
248	8. (	Course Objectives				
Course	Objectiv	es • The student wi	ill be able to learn about	community healtl	n concepts and	
		related technic	-			
		-	dent will be able to:			
			it the components of publi			
		• 2. To know how family registra	v to organize forms for pro-	egnant women and	children at the	
			importance of nutrition			
			amiliar with health inform	nation and standard	s of health and	
		disease.	anniar with nearth miorn.	auron una standara	s of meanin and	
249	9. ]	Teaching and Learning	ng Strategies			
Strateg			res and the use of moder	n scientific method	ds in presenting	
		lectures (data show)				
			on of theoretical vocabula	ary		
250 C	ourse S	3. Practical training in	ii iiospitais			
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation	
,, ccir	ilouis	Outcomes	name	method	method	
		Definition of health	Definition of health			
1	2	and disease: -	and disease: -	Giving a lecture	Eveninetions	
1	2	Pathological causes The epidemiological	Pathological causes The epidemiological	and using explanations	Examinations	
		triad	triad			
2.2.2.1	2	- community Health	- community Health	Giving a lecture	Б	
2,3&4	2	3- Maternal and childhood care	<ul><li>3- Maternal and childhood care</li></ul>	and using explanations	Examinations	
		Ciniunoou care	Ciniunood Care	Giving a lecture		
5	2.	4- Health education	4- Health education	and using	Examinations	

4- Health education

5

2

4- Health education

and using explanations

Examinations

- air pollution - Water pollution - Medical waste (classification, methods of handling, of handling, and method  Giving a lecture	ninations
(classification, methods of handling, methods of handling, and method Giving a lecture)	
	xamination
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  Examina	minations
12 2 10- Rehabilitation: - 10- Rehabilitation: - Meaning of rehabilitation - Types o rehabilitation of rehabilitation of rehabilitation  10- Rehabilitation: - Giving a lecture and using explanations  Examina	ninations
13 2 11- Control of infectious diseases (communicable diseases) 11- Control of infectious diseases (communicable diseases) Giving a lecture and using explanations Examina	minations
14 2 12- Non-communicable diseases 12- Non-communicable diseases Giving a lecture and using explanations Examina	ninations
13 - Vital statistics - The general method of health research. Births and deaths information information  13 - Vital statistics - The general method of health research. Births and deaths information  251. Course Evaluation	minations

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

202. Eddining and Todoming Hosodice	
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	

	•
253. Cou	ırse Name:
Health &	&Occupational Safety 1
254. Cou	ırse Code:
	nester / Year:
Semeste	er first /2 <sup>nd</sup> year
256. Des	scription Preparation Date:
2024/	2/24
257. Ava	ailable Attendance Forms:
	Direct
258. Nu	mber of Credit Hours (Total) / Number of Units (Total)
5 hour	s / 5 units
259. Co	urse administrator's name (mention all, if more than one
name)	·
Name: Fa	del abd alkuder
Email:	
260. Cou	urse Objectives
<b>Course Objectives</b>	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. Tea	ching 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 Stru	cture
WI II D	agricul I coming Unit or orbitat I coming Evolution

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	
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
2	Physical hazards (natural)	Physical hazards (natural)	Giving a lecture and using explanations	Examinations
2	Noise and vibrations	Noise and vibrations	Giving a lecture and using explanations	Examinations
2	Temperature, humidity, and air speed	Temperature, humidity and air speed	Giving a lecture and using explanations	Examination
2	Lighting, radiation and its types	Lighting, radiation and its types	Giving a lecture and using explanations	Examinations
2	Air pressure and electricity	Air pressure and electricity	Giving a lecture and using explanations	Examinations
2	Chemical hazards Gases Vapors And dust	Chemical hazards Gases Vapors And dust	Giving a lecture and using	Examinations
2	Biological hazard and infectious diseases Psychological factors	Biological hazard and infectious diseases Psychological factors	Giving a lecture and using explanations	Examinations
2	Mechanical hazards	Mechanical hazards	Giving a lecture and using explanations	Examinations
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
2	Heavy metal poisoning (lead, mercury, chromium)	Heavy metal poisoning (lead, mercury, chromium)	Giving a lecture and using explanations	Examinations
	2 2 2 2 2 2 2	and safety and its relationship to productivity  Physical hazards (natural)  Noise and vibrations  Temperature, humidity, and air speed  Lighting, radiation and its types  Lighting, radiation and electricity  Chemical hazards Gases Vapors And dust  Biological hazard and infectious diseases Psychological factors  Mechanical hazards  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)  Heavy metal poisoning (lead, mercury,	and safety and its relationship to productivity  2 Physical hazards (natural)  2 Noise and vibrations  2 Temperature, humidity, and air speed  2 Lighting, radiation and its types  2 Lighting, radiation and electricity  2 Air pressure and electricity  2 Chemical hazards	Occupational health and safety and its relationship to productivity   Physical hazards (natural)   Physical hazards (physical hazards (natural)   Physical hazards (physical hazards (physical hazards (physical hazards (physical hazards (physical hazard and infectious diseases Phychological factors   Physical hazards (physical hazards (physical hazards (physical hazard and infectious diseases Phychological factors   Physical hazards (physical hazards

### 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	Occupational health and safety book 2015				
(scientific journals, reports)	Occupational Safety and Health				
	Administration book 2009				
Electronic References, Websites					

26:		Course Name:				
		lemiology 1				
26	266. Course Code:					
26		emester / Year:				
	Seme	ester first / 2 <sup>nd</sup> year				
26	8. I	Description Prepara	ation Date:			
	202	4/ 2/24				
269	9. <i>A</i>	Available Attendance	e Forms:			
		Direct				
270	0. N	Number of Credit Ho	ours (Total) / Number	r of Units (Tota	al)	
	4 ho	urs / 4 units				
27	1. (	Course administrat	or's name (mention	n all, if more tl	han one	
	name)					
	Name:	Salam abass				
	Email:					
27	2. (	Course Objectives				
Course	Objectiv	• The student will be at	ole to become familiar with	the concepts of ep	idemiology and	
		the techniques related	to it.			
		• The student will be a	ble to:			
		• Private:-				
			w diseases occur and how			
			learn how to analyze the o	ccurrence of epider	mics.	
		• .3. To know the path	_		1 11.00	
			culating the spread of dise	eases and calculating	ng the different	
27/	2 7	rates of diseases and d				
273		Teaching and Learni				
Strateg	y		es and the use of moderr	i scientific metho	ds in presenting	
		lectures (data show)	on of theoretical weakly	lory		
		3- Practical training	on of theoretical vocabu	nai y		
274.C	ourse S		in nospitais			
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	220022	Outcomes	name	method	method	
			Introduction to			
		Trunca - f	epidemiology.			
		- Types of epidemiology,	- Types of epidemiology, goals -	Giving a lecture		
1	2	Factors that control	basics - general	and using	Examinations	
		the infection process	strategies	explanations		
			Factors that control the			
			infection process			
		Study of	General definitions used	Giving a lecture		
2	2	epidemiology, measures of disease,	in the study of epidemiology, measures	and using	Examinations	
		factor	of disease, factor	explanations		
L						

		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	Нер	oatitis	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 preparation, daily oral, monthly, or written exam					nt such as daily
276.	Learnin	ng and Teaching Res	ources			
Require	ed textbo	oks (curricular books, i	f any)			
Main references (sources)				ty health guide / I cal Book / 1986	Dr. Amjad Niazi	
Recommended books and references (scientific journals, reports)						
Electro	nic Refe	rences, Websites				

277	7. C	ourse Name:					
	Environmental health						
278	278. Course Code:						
279		emester / Year:					
	Seme	ster first / 2 <sup>nd</sup> year					
280	). D	escription Prepara	ition Date:				
	2024	1/ 2/24					
281	. A	vailable Attendance	e Forms:				
		Direct					
282	2. N	lumber of Credit Ho	ours (Total) / Number	r of Units (Tota	al)		
		urs / 4 units					
283		Course administrat	or's name (mentior	n all, if more tl	han one		
	name)						
		Hadi ragan					
•	Email:						
	284. Course Objectives						
Course	Objective	• The student will be and their sources of a	e able to identify the most	important interfac	ial components		
			The student will be able to	0.			
			er, soil and air pollution in		thod of treating		
		pollutants.	,		<i>6</i>		
		• 2 - Treating all indu	ustrial waste.				
		_	ound and surface water.				
			nvironmental problems an	nd heat emissions.			
285		eaching and Learnin					
Strategy	y		es and the use of modern	n scientific metho	ods in presenting		
		lectures (data show) 2 Practical applicati	on of theoretical vocabu	ılarv			
	2. Practical application of theoretical vocabulary Practical training in hospitals						
286.Cd	286.Course Structure						
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method		
		Outcomes	1- Environmental	memou	memou		
		Environmental health	health	Giving a lecture			
1	2	and environmental	(The concept of environmental health -	and using	Examinations		
		types	goals and strategies -	explanations			

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, reportsetc					
288. Learning and Teaching Resources					
Required textbooks (curricular books, if any)					
Main references (sources)					
Recommended books and references (scientific					
journals, reports) Electronic References, Websites					
Electronic References, Websites					

289	9. (	Course Name:					
Health Inspection 1							
290		Course Code:					
20	1 C	Composton / Voor					
29		Semester / Year:					
		ester first / 2 <sup>nd</sup> year					
292	2. I	Description Prepara	ation Date:				
	202	4/ 2/24					
293	3. <i>A</i>	Available Attendance	e Forms:				
		Direct					
294	1 N		ours (Total) / Number	r of Units (Tots	a1)		
		urs / 4 units	ours (Total) / Trumbe	or omis (roa	a1)		
001		<i>1</i>			<b>.</b>		
29		Jourse administrat	or's name (mention	n all, if more t	nan one		
	name)						
	Name:	Tabark jawad Email:					
290	<b>6.</b> (	Course Objectives					
Course	Objectiv	es • Objectives of the c	ourse: - At the end of the a	cademic 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 fan	niliar with the foundations	, rules and requiren	nents for the		
		success of the inspec	ction process				
		• B - To determine the	he health conditions and sp	pecifications that m	nust be legally		
		available in stores					
	• Subject to health supervision						
29′	7. 7	Teaching and Learning	ng Strategies				
Strateg			es and the use of moderr	scientific metho	ds in presenting		
	•	lectures (data show)	os ana me ase or modern		as in presenting		
		· · · · · · · · · · · · · · · · · · ·	on of theoretical vocabu	lary			
		3. Practical training i		Ž			
298.Course Structure							
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation		
		Outcomes	name	method	method		
		The concept of health	The concept of health				
		control, foundations,	control, foundations,	Giving a lecture			
1	2	rules, objectives and	rules, objectives and	and using	Examinations		
	_	requirements of the health inspection	requirements of the health inspection	explanations			
		process	process				
		The divisions and	The divisions and units	G: 1			
2	2	units of the Public	of the Public Health	Giving a lecture	Eveninations		
2	2	Health Department	Department and their	and using explanations	Examinations		
		and their duties, and	duties, and the basic	CAPIGHALIOHS			

		the basic procedures for following up on	procedures for following up on health		
		health conditions	conditions		
		Food system,	Food system, extracts	Giving a lecture	
3	2	extracts from the	from the Public Health	and using	Examinations
		Public Health Law	Law	explanations	
		General conditions,	General conditions,		
		conditions for	conditions for granting	G: : 1 .	
4	2	granting health leave,	health leave,	Giving a lecture	Enaminations
4	2	conditions that must be met by the leave	conditions that must be	and using explanations	Examinations
		holder and the	met by the leave	capianations	
		workers	holder and the workers		
		Special conditions,	Special conditions,		
		including hotels, rest	including hotels, rest	Civing a lactura	
5	2	houses, public cafes,	houses, public cafes,	Giving a lecture and using	Examinations
	2	casinos, family parks,	casinos, family parks,	explanations	Examinations
		and shops selling	and shops selling	capianations	
		coffee and travel tea.	coffee and travel tea.		
		Ovens, bakeries and	Ovens, bakeries and	Giving a lecture	
6	2	pastries, food and beverage preparation	pastries, food and beverage preparation an	and using	Examination
		and serving shops	serving shops	explanations	
		Shops that prepare and	Shops that prepare and		
		sell service ice cream,	sell service ice cream,	Giving a lecture	
7	2	and shops that sell	and shops that sell	and using	Examinations
		individual home food	individual home food	explanations	
		supplies	supplies		
		Stores selling meat,	Stores selling meat,		
		dairy, eggs, and animal	dairy, eggs, and animal	Giving a lecture	
8	2	products (wholesale),	products (wholesale),	and using	Examinations
		stores selling red meat, poultry and their	stores selling red meat, poultry and their	explanations	
		products.	products.		
		Stores selling ready-	Stores selling ready-		
		made food and drinks,	made food and drinks,		
		stores selling	stores selling wholesale	_	
9	2	wholesale and	and individual river	and using	Examinations
		individual river and	and sea fish, sherbet,	explanations	
		sea fish, sherbet, juice and ready-made food.	juice and ready-made food.		
		Barber and beauty	Barber and beauty		
4.0		salons, coffee grinding	salons, coffee grinding	Giving a lecture	
10	2	and selling shops, live	and selling shops, live	and using	Examinations
		chicken shops	chicken shops	explanations	
				Giving a lecture	
11	2	The role of fitness	The role of fitness	and using	Examinations
			T 11 1 .	explanations	
12	2	Food industry laboratory	Food industry	Giving a lecture	Eveninetien
12	2	food additives	laboratory, food additives	and using explanations	Examinations
				Giving a lecture	
13	2	Food safety (food	Food safety (food	and using	Examinations
		fraud)	fraud)	explanations	
<u> </u>	1	1			

14	2	Food supplies factory, food appetizers factory		plies factory, tizers factory	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 preparation, daily oral, monthly, or written exa						nt such as daily
300. Learning and Teaching Resources						
Required textbooks (curricular books, if any)						
Main references (sources)				<ul> <li>1- The Iraqi Ministry of Health - Health Oversight Guide 2012-2013</li> <li>2- Public Health Law No. 89 of 1981 and its amendments</li> <li>3- Law No. 54 of 2001 (Eighth Amendment to the Public Health Law)</li> <li>4- Food Regulation No. 29 of 1982</li> </ul>		
		books and references	(scientific			
Journal	s, reports	5)				

Electronic References, Websites

301.	Course Na	ame:				
	Pharmacolog	gy 2				
302.	Course Co	ode:				
303.	Semester	/ Year:				
	Semester seco	nd / 2 <sup>nd</sup> year				
304.	Description	on Preparation Date:				
	2024/ 2/24					
305.	Available	Attendance Forms:				
		Direct				
306.	Number o	f Credit Hours (Total) / Number of Units (Total)				
4 hours / 4 units						
307. Co	ourse admini	strator's name (mention all, if more than one name)				
Name: Raghda Saad Mohammed Email: raghda.mohammed@atu.edu.iq						
308. Course Objectives						
Course Ob	jectives	Basic science of pharmacology				
		• The activity of drugs				
		Absorption and excretion of drug				
		Dose and dosage form				
		<ul> <li>Toxicology, toxins, poisoning with metals.</li> </ul>				
309.	Teaching	and Learning Strategies				
Strategy		tures and the use of modern scientific methods in presenting lectures (data show)				
	2. Practical applic 3. Practical trainir	ration of theoretical vocabulary				
310 Cour		ig in nospitats				
310.C0u	310.Course Structure					

010.0		tractare			
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.	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		
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		
C.N.S. Hypnotics and axiolytics , Antipsychotics, Antidepressants , CNS stimulants ,		Hypnotics and axiolytics , Antipsychotics, Antidepressants ,	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, reportsetc							
312. Learning and Teaching Resources							
books, i	f any)	oks (curricular	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 re	ferences	(sources)	Laurence, D.R.; Bennett, P.N. and Brown, M.J.(1997). Clinical pharmacology. New York; London: Churchill Livingstone.				
(scienti	fic journa	ooks and references ls, reports)	pharmacology, frew 1	ork , London . Churc	Ann Erringstone.		
Liectro	ne Keiere	ences, websites					

gall bladder stone (S)				- Description 1 of			
314. Course Code:  315. Semester / Year: Semester second /2 <sup>nd</sup> 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  **Ospecial: 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  1 2 Bronchitis (M) + cholycystitis (S) cholycystitis (S) Pleural effusion (M)) **Pelural effusion (M) + gall bladder stone (S) **Pelural effusion (M) - gall bladder stone (S) **Gemeral (Total) / Number of Unit or subject and using explanations **Plantations (S) **Pleural effusion (M) - gall bladder stone							
Semester   Year:   Semester   Year:   Semester second   Z <sup>nd</sup>   year	M	edicine	& Surgery 2				
Semester second /2 <sup>nd</sup> 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  Course Objectives  - Special; 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 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 Unit or subject name method  1 2 Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  - Pleural effusion (M)) + gall bladder stone explanations  Giving a lecture and using explanations  Examinations  Examinations  Examinations	314	4. C	lourse Code:				
Semester second /2 <sup>nd</sup> 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  Course Objectives  - Special; 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 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 Unit or subject name method  1 2 Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  - Pleural effusion (M)) + gall bladder stone explanations  Giving a lecture and using explanations  Examinations  Examinations  Examinations							
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 Unit or subject name Evaluation method  1 2 Bronchitis (M) + cholycystitis (S) Colycystitis (S) Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + gall bladder stone  Examinations	31:						
317. Available Attendance Forms:   Direct		Seme	ester second /2 <sup>nd</sup> year	ar			
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  • 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 Unit or subject name method method  1 2 Bronchitis (M) + cholycystitis (S) explanations  Pleural effusion (M)) + gall bladder stone (S) and using Examinations  Pleural effusion (M)) + gall bladder stone (S) and using Examinations	310	6. D	escription Prepara	ation Date:			
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  • 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 Unit or subject name    Description of theoretical vocabulary   Course of the present of the pre		2024	4/ 2/24				
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    • 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	31′	7. A	vailable Attendanc	e Forms:			
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			Direct				
Name: Rania Razaq Mahdi Email: rania.mahdi@atu.edu.iq  320. 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 name method  1 2 Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  Pleural effusion (M)) + gall bladder stone  2 Pleural effusion (M)) + gall bladder stone (S)	318	8. N	Number of Credit Ho	ours (Total) / Number	r of Units (Tota	al)	
Name: Rania Razaq Mahdi Email: rania.mahdi@atu.edu.iq  320. 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  1 2 Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  Pleural effusion (M))  Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + gall bladder stone  Giving a lecture and using explanations  Examinations  Examinations		6 ho	urs / 6 units				
Email: rania.mahdi@atu.edu.iq  320. 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 Unit or subject name  - Bronchitis (M) + cholycystitis (S) - Bronchitis (M) + cholycystitis (S)  - Pleural effusion (M)) - Pleural effusion (M)) + gliving a lecture and using explanations - Pleural effusion (M)) + gall bladder stone - Pleural effusion (M)) + gall bladder stone - Pleural effusion (M)) + gall bladder stone - Structure and using explanations - Examinations - Examinations - Examinations - Examinations - Examinations - Course Structure - Pleural effusion (M)) + gall bladder stone - Pleural effusion (M)) + gall bladder stone - Structure - Required Learning Unit or subject name - Course Structure - Cours	31	9. Cou	rse administrator's	name (mention all	l, if more than	one name)	
Course Objectives		Name:	Rania Razaq Mahd	i			
Course Objectives		Email: 1	rania.mahdi@atu.edu.io	<u></u>			
• 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  1 2 Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + gall bladder stone (S)  Pleural effusion (S)  Pleural effusion (M) + gall bladder stone (S)  Pleural effusion (M) + gall bladder stone (S)  Pleural effusion (M) + gall bladder stone (S)  Examinations	320	0. C	Course Objectives				
• 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  1 2 Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  Pleural effusion (M)) + cholycystitis (S)  Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + gall bladder stone  • The Student Will be able to dress Wound .  • The Student Will be able to dress Wound .  • The Student Will be able to dress Wound .  • The Student Will be able to dress Wound .  • The Student Will be able to dress Wound .  • The Student Will be able to dress Wound .  • Temperature .  Strategy  1. Theoretical lectures and the use of modern scientific methods in presenting lecture and using explanations  Evaluation method  Fleural effusion (M)) + gall bladder stone (S)  Pleural effusion (M)) + gall bladder stone (S)	Course	Objective	• General ; The	Student Will be able how	treat simple cases		
• 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  1 2 Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  Pleural effusion (M)) + gall bladder stone  Examinations  Examinations			_		-	1	
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  1 2 Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + gall bladder stone (S)  Pleural effusion (S)  Pleural effusion (S)  Pleural effusion (S)  Examinations  Examinations							
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)   Cliving a lecture and using explanations     2   2   Pleural effusion (M)) + gall bladder stone   Pleural effusion (M)) + gall bladder stone   Cliving a lecture and using explanations   Examinations     2   2   Pleural effusion (M)) + gall bladder stone   Cliving a lecture and using explanations   Examinations   Examinations   Cliving a lecture and using   Cliving a lecture and							
lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals  322.Course Structure  Week Hours Required Learning Outcomes  1 2 Bronchitis (M) + cholycystitis (S)  Bronchitis (M) + cholycystitis (S)  Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + gall bladder stone  Required Learning In hospitals  Learning method  Giving a lecture and using explanations  Examinations  Examinations  Examinations							
2. Practical application of theoretical vocabulary 3. Practical training in hospitals  322.Course Structure  Week Hours Required Learning Outcomes  1 2 Bronchitis (M) + cholycystitis (S)  Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + gall bladder stone  Pleural effusion of theoretical vocabulary  3. Practical training in hospitals  Learning method  Giving a lecture and using explanations  Examinations  Examinations	Strateg	$\mathbf{y}$		es and the use of modern	scientific metho	ds in presenting	
3. Practical training in hospitals  322.Course Structure  Week Hours Required Learning Outcomes  1 2 Bronchitis (M) + cholycystitis (S)  Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + gall bladder stone  3. Practical training in hospitals  Unit or subject name Method  Giving a lecture and using explanations  Examinations  Examinations				on of theoretical vocabu	larv		
322.Course Structure   Week   Hours   Required Learning   Unit or subject   Learning   method   method					iai y		
Outcomes name method Giving a lecture and using explanations  Pleural effusion (M) + gall bladder stone  Poutcomes name method Giving a lecture and using explanations  Bronchitis (M) + cholycystitis (S)  Pleural effusion (M)) + Giving a lecture and using explanations  Examinations	322.C	ourse St		T			
1 2 Bronchitis (M) + cholycystitis (S)  Color of the cholycystitis (M) + cholycystitis (S)  Pleural effusion (M)) + Giving a lecture and using  Pleural effusion (M)) + gall bladder stone (S)  Pleural effusion (M)) + gall bladder stone (S)  Examinations	Week	Hours	Required Learning	Unit or subject	Learning	Evaluation	
1 2 Bronchius (M) + cholycystitis (S)  Pleural effusion (M)) + gall bladder stone  Bronchius (M) + and using explanations  Examinations  Examinations			Outcomes	name		method	
cholycystitis (S) cholycystitis (S) and using explanations  Pleural effusion (M)) + gall bladder stone  2 2 2 Pleural effusion (M)) + gall bladder stone (S) and using explanations  Pleural effusion (M)) + Giving a lecture and using Examinations	1	2	Bronchitis (M) +	Bronchitis (M) +	•	Evenineties	
Pleural effusion (M)) + gall bladder stone  Pleural effusion (M)) + Giving a lecture and using Examinations	1	2	cholycystitis (S)	cholycystitis (S)		Examinations	
2   2   + gall bladder stone   gall bladder stone (S)   and using   Examinations			Pleural effusion (M))	Plaural offusion (M))	•		
	2	2	•			Examinations	
(S) explanations				8 (2)			
Allellia (W) + spice and using Evaminations	3	2	• •	-		Examinations	
spleen injury (S) injury (S) and using explanations			spleen injury (S)	ınjury (S)			
Leukemia (M) + Leukemia (M) + Giving a lecture					•		
4 2 pancreatitis (S) pancreatitis (S) and using Examinations , Hemorrhagic fever , Hemorrhagic fever explanations	4	2				Examinations	
Giving a lecture					_		
5 2 Lympnoma (M) + Lympnoma (M) + and using Examinations	5	2		_	and using	Examinations	
explanations			norma (b)	nerma (b)	_		
6 2 Hemophilia (M) + Hemophilia (M) + type Giving a lecture and using Examinations	1		Hemophilia (M) +	Hemophilia (M) + type	_	Evaminations	
types of hernia (S) of hernia (S) explanations	6	2 1	_	01 1 (0)	and using	Examinations	

7	2	Glomerulonephritis (M) + tracheal obstruction (S)	(M) +	lonephritis tracheal ction (S)	Giving a lecture and using explanations	Examinations		
8	Nephrotic syndrome and renal failure (M) + lung ca. (S)  Nephrotic syndrome and renal failure (M) - lung ca. (S)					Examinations		
9 & 10	2	Rheumatoid arthritis (M) + fracture (S)		oid arthritis acture (S)	Giving a lecture and using explanations	Examinations		
11		Gout (M) + pyelonephritis (S)	Gout (M) + Giving a lecture					
Hyperpitutirism (M) + renal stones (S)  Hyperpitutirism (M) + Giving a lecture and using explanations  Examinations								
Thyroid gland disease (M) + bladder ca. (S)  Thyroid gland disease (M) + bladder ca. (S)  Thyroid gland disease (M) + bladder ca. (S)  Giving a lecture and using explanations								
Addison diseases (M) Addison diseases (M) Giving a lecture						Examinations		
Para Thyroid gland disease (M) + disease (M) + hemorrhoid (S) hemorrhoid (S)				e (M) +	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, reportsetc								
324.	Learnin	g and Teaching Res	ources					
				Surgical internal medicine specialist Dr. Fawaz Al-Khalidi 1- Davidsons by Davidson				
Require	Required textbooks (curricular books, if any)  2- Harrison text book of medicine by Harrison							

3-Clinical methods by Hatschison

Fayza Boulos.

2- Internal Surgical Nursing - Written by

1- General surgery by; Baily and love

Main references (sources)

Electronic References, Websites

journals, reports...)

Recommended books and references (scientific

32:	5. (	Course Name:					
International Health							
320	6. (	Course Code:					
32'		Semester / Year:					
	Seme	ester first / 2 <sup>nd</sup> year					
328	8. I	Description Prepara	ation Date:				
	202	4/ 2/24					
329	9. <i>A</i>	Available Attendance	e Forms:				
		Direct					
330	0. 1	Number of Credit Ho	ours (Total) / Numbe	r of Units (Tota	al)		
	5 ho	urs / 5 units					
33	1. (	Course administrat	or's name (mention	n all, if more t	han one		
	name)						
	Name:	Anaam Mohammed	d Abdel Al-Hassan E	Email: <u>abdel-hass</u>	an.dw@atu.edu.iq		
332	2. (	Course Objectives					
Course	Objectiv	·	or global health challeng	es, 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					
		*	s, poverty, conflicts and	-			
			rms, and major global init	~	-		
		health promotion.	inis, and major grooter init	iditives for discuse	prevention and		
		_	ational measures to limit th	ne spread of epiden	nic diseases.		
333	3. 7	Teaching and Learning					
Strateg			res and the use of moder	n scientific method	ds in presenting		
		lectures (data show)					
			on of theoretical vocabula	nry			
3. Practical training in hospitals 334.Course Structure							
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation		
, , cci	Hours	Outcomes	name	method	method		
		The concept of	1-International Health.				
102	2	international health -	The concept of	Giving a lecture	Emanication		
1&2	2	the emergence of international health	international health - the emergence of	and using explanations	Examinations		
		international nearth	international health	CAPIANATIONS			
		Global Policy for	Global Policy for	Giving a lecture			
3	2	International Health.	International Health.	and using	Examinations		
		Ethical issues in	Ethical issues in	explanations Giving a leature			
4	2	international health	international health	Giving a lecture and using	Examinations		
,	_	service delivery.	service delivery.	explanations			
L	ı	· · · · · · · · · · · · · · · · · · ·		I.	l .		

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	

			_			
337.	Co	ourse Name:				
	Health	&Occupational Safety	2			
338.	Co	ourse Code:				
339.		mester / Year:				
	Semes	ter second /2 <sup>nd</sup> year				
340.		escription Preparati	on Date:			
		/ 2/24				
341.	A	vailable Attendance I	Forms:			
		Direct				
342.	Nı	umber of Credit Hou	rs (Total) / Number	of Units (Tota	al)	
		rs / 5 units				
343	. Cours	se administrator's r	name (mention all,	if more than	one name)	
N	lame: D	oaa Yousif Mohami	ned			
E	Email: Doaa.mohammed@atu.edu.iq					
344. Course Objectives						
• At the end of the academic year, the student will be able to get					be able to get	
		acquainted with				
		• the public	inspection programs an	d concents . Ti	no student will	
		be able to:	mspection programs an	iu concepts 11	ne student win	
			familiar with the found	dations, rules and	l requirements	
		for the success of	of the inspection proces	S		
			ine the health condition	ns and specificat	ions that must	
		be legally availa				
• Subject to health supervision						
345. Teaching and Learning Strategies						
Strategy  1. Theoretical lectures and the use of modern scientific methods in present lectures (data show)						
2. Practical application of theoretical vocabulary						
3. Practical training in hospitals						
346.Course Structure						
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation	
		Outcomes	name	method	method	
			Insecticide poisoning Poisoning by	Giving a		
100	2	Insecticide poisoning	organic compounds	lecture and	Emperiment	
1&2	2	Poisoning by organic compounds	(organic solvents -	using	Examinations	
		Compounds	hydrocarbons and	explanations		
		Work accidents and	their derivatives) Chapter Four (Work			
		injuries)	accidents and injuries)	Giving a		

accidents and injuries)

Definition of accident

and injury, its causes

and types

lecture and

using

explanations

Examinations

Definition of accident

and injury, its causes

and types

injuries)

2

3&4

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	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	(detecting and measuring pollutants in the work environment and comparing them to the recommended	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
		1- Decisions related to		cisions related	using	
		occupational health	to occ	upational health	explanations	
		and safety	and sa	ıfety		
		2- Laws	2- Lav	WS		
		3- Systems	3- Sys	stems		
		4 instructions	4	instructions		
347. 0	Course E	Evaluation				
Distribu	ting the	score out of 100 accord	ing to	the tasks assign	ed to the stude	nt such as daily
	_	y oral, monthly, or wri	_			, and the second
348. I	Learning	and Teaching Resou	ırces			
Required	d textbool	ks (curricular books, if a	ny)			
Main ref	erences (	sources)		Encyclopedia of Occupational Health and		
				Safety (ILO), Geneva 1990, Part Two		
				Durcty (ILO),	JUIIU	20 2 0
				• ' '	w No. 37 of 201	
Recomm	nended bo	ooks and references (scie	entific	Iraqi Labor La		5
	nended bo	,	entific	Iraqi Labor La	w No. 37 of 201 health and safety	5
		,	entific	Iraqi Labor La Occupational	w No. 37 of 201 health and safety Safety	5 y book 2015

349	9. (	Course Name:			
	Epic	lemiology 2			
350	0.	Course Code:			
35	1. S	Semester / Year:			
		ester second / 2 <sup>nd</sup> ye	ar		
352		Description Prepara			
		4/ 2/24			
353		Available Attendance	e Forms:		
	<u> </u>	Direct	o i oilis.		
354	4 N		ours (Total) / Number	r of Units (Tota	a1)
		urs / 4 units	7415 (10tal) / 1 tallioc.	or emis (rou	
35		, , , , , , , , , , , , , , , , , , ,	or's name (mention	all if more th	han one
33	name)		or 3 riame (memior	i ali, ii iiioic ti	nan one
		Poss Abad Javthoo	m		
		Roaa Abad Jaythoo Roaa.jaythoom@atu.ed			
350			<u>.urq</u>		
	Objective	Course Objectives	ole to become familiar with	the concents of an	idamialagyand
Course	Objectiv	the techniques related		i the concepts of ep	idennology and
		• The student will be a			
		• Private:-	oic to.		
		• .1. To learn about ho	w diseases occur and how	infectious diseases	are transmitted
		and controlled2. To	learn how to analyze the o	ccurrence of epider	mics.
		• .3. To know the path	ogens		
			culating the spread of disc	eases and calculating	ng the different
		rates of diseases and d	eaths		
35'		Teaching and Learning	ng Strategies		
Strateg	y		es and the use of modern	n scientific metho	ds in presenting
		lectures (data show)			
			on of theoretical vocabu	lary	
358 C	ourse S	3- Practical training	in nospitais		
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
vv eek	110015	Outcomes	name	method	method
		Epidemic diseases that	Epidemic diseases that		
1	2	occurred in the world,	occurred in the world,	Giving a lecture and using Exa	Examinations
_	_	their consequences,	their consequences,	explanations	
		and dealing with them Vaccination against	and dealing with them		
	2	communicable	Vaccination against	Giving a lecture	Eveninglie
2	2	diseases (regional	communicable diseases (regional plan)	and using explanations	Examinations
		plan)		-	
3	2	Types of health	Types of health	Giving a lecture	Examinations
3	<i>L</i>	prevention, environmental	prevention, environmental	and using explanations	Examinations
		Cirvironnicitai		J. P. Milations	

		pollution, medical waste	pollution wa			
4	2	Food poisoning (types and causes)	Food poisoning (types and causes)		Giving a lecture and using explanations	Examinations
5	2	Encephalomyelitis	Encephal	lomyelitis	Giving a lecture and using explanations	Examinations
6	2	Cholera	Cho	olera	Giving a lecture and using explanations	Examination
7	2	Water bags	Wate	er bags	Giving a lecture and using explanations	Examinations
8	2	Malaria	Ma	laria	Giving a lecture and using explanations	Examinations
9	2	schistosoma	schist	osoma	Giving a lecture and using explanations	Examinations
10&11	2	Pandemic influenza - types and causes - Covid-19 (factors tha led to the emergence or 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	Acqu immunod dise	eficiency	Giving a lecture and using explanations	Examinations
13	2	Hemorrhagic fever	Hemorrha	ngic fever	Giving a lecture and using explanations	Examinations
14	2	Chicken pox	Chick	en pox	Giving a lecture and using explanations	Examinations
15	2	rabies	rabies		Giving a lecture and using explanations	Examinations
359.	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, reportsetc						
		ng and Teaching Res				
		oks (curricular books, it	t any)	Comme	ty hoolth 1- /1	Du Amaind Ni '
		s (sources)	, , , , ,		ty health guide / l cal Book / 1986	Dr. Amjad Niazi
Recom	Recommended books and references (scientific					

journals, reports...)

Electronic References, Websites

361	. С	ourse Name:				
		fessional Ethics				
362		ourse Code:				
363	663. Semester / Year:					
		ster second / 2 <sup>nd</sup> yea	nr			
364		escription Prepara				
		1/ 2/24				
365	5. A	vailable Attendance	e Forms:			
		Direct				
366	5. N	lumber of Credit Ho	ours (Total) / Number	r of Units (Tota	al)	
		ırs / 2 units	,	`	,	
367		•	or's name (mentior	n all, if more th	han one	
	name)		•	•		
	Name: \	Wassan Abbas Bud	i			
	Email: <u>v</u>	wassan.budi@atu.edu.iq				
368	3. C	Course Objectives				
Course	Objective	•	tiquette of professional be	havior for workers	in medical	
		specialties				
		• Private:-	eta an professional habayi	or in docling with l	his profession and	
			ate on professional behavi ty with himself and his pro	~	_	
			npanions, health workers,			
369	). T	eaching and Learning	-		. ,	
Strategy			and the use of modern s	cientific methods	in presenting	
		lectures (data show)				
	ourse St					
Week	Hours		Unit or subject		Evaluation	
		Outcomes	name Professional behaviour	method	method	
			- Its definition - its			
		Definition of	concept - its practical	a		
1	2	professional behavior	applications - the	Giving a lecture	Examinations	
1	2	and its practical	relationship between employees and their	and using explanations	Examinations	
		applications	bosses	CAPIGNATIONS		
			- Elements of human			
		Duin ain 1a £	behavior			
		Principles of professional ethics in	Principles of professional ethics in			
		the stages of cultural	the stages of cultural	Giving a lecture		
2	2	and Islamic	and Islamic	and using	Examinations	
	_	developments	developments	explanations		
		Etiquette for dealing with patients in	Etiquette for dealing with patients in			
		hospitals	hospitals			

3	2	Behavioral trends and tendencies 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	Behavioral trends and tendencies 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	Giving a lecture and using explanations  Giving a lecture and using explanations	Examinations
5	2	establishment  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	Examination
7	2	The moral and legal rights of the patient - Moral and legal rights of workers in health and medical professions	The moral and legal rights of the patient	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

	1	T T			1
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	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 medica 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	between me			
		associates and patients		and patients		
		Conditions necessary	Conditions			
		for the success of a	for the su	iccess of a		
		medical member	medical	member		
		during his watch	during h	is watch		
15	2	Applications in professional behavior	Applications in professional behavior		Giving a lecture and using explanations	Examinations
371.	Course	Evaluation				
Distrib	uting the	e score out of 100 accor	rding to the	tasks assig	ned to the stude	nt such as daily
prepara	ation, da	ily oral, monthly, or w	ritten exam	s, reports	etc	•
372.	Learnin	g and Teaching Reso	ources			
				1- Methodological books / Professional		
				behavior - written by Dr. Adnan Shaker -		
Require	ed textbo	oks (curricular books, if	any)	Dr. Hanaa Ahmed		
1		,	3,	reconcile		
				- Dr. Abdullah Jassim		
Main re	ferences	(sources)		Professional Behavior of Doctors - Written		
1110111111	101011000	(5501205)		by Dr. Raji Abbas Al-Tikriti		
Recomi	nended 1	books and references (	scientific	Forensic Medicine and Professional Ethics -		
	s, reports	,		Written by Dr. Dhia Al-Musawi 1986 A		
J =	Journals, reports)			handbook on the professional behavior of		
				doctors -5- A handbook on the professional		
				behavior of doctors - published by the Iraqi		•
					Syndicate -	one of the nagi
Electron	nic Refer	rences, Websites			<u> </u>	

0.77	2 (	N NT			
37.	373. Course Name:				
_		lth Inspection 2			
374	4. (	Course Code:			
37:		emester / Year:			
	Seme	ester second / 2 <sup>nd</sup> ye	ar		
370		Description Prepara	ation Date:		
	202	4/ 2/24			
37	7. <i>P</i>	Available Attendance	e Forms:		
		Direct			
378	8. N	Number of Credit Ho	ours (Total) / Number	r of Units (Tota	al)
	4 ho	urs / 4 units			
379	9. (	Course administrat	or's name (mentior	n all, if more th	nan one
	name)		`		
	Name:	Malath Yousif Ismae	Email: <u>Dw.husio@at</u>	u.edu.iq	
380	0. (	Course Objectives			
Course	Objective	es • Objectives of the c	ourse: - At the end of the a	cademic year, the s	student will be
		able to recognize			
		•the public			
			ection programs and conce	epts -:- The student	will be able
		to:	'1' '4 4 6 1 4	1 1 '	. 6 .1
			niliar with the foundations	, ruies and requiren	nents for the
		success of the inspec	he health conditions and sp	acifications that m	uset ha lagally
		available in stores	ne nearm conditions and sp	ecifications that in	idst be legally
		• Subject to health so	upervision		
38	1. Т	Teaching and Learning	_		
Strateg			es and the use of modern	scientific method	ds in presenting
	•	lectures (data show)			1 8
		2. Practical applicati	on of theoretical vocabu	lary	
• • • •	~	3. Practical training i	n hospitals		
	ourse S			_	-
Week	Hours	Required Learning Outcomes	Unit or subject	Learning method	Evaluation method
			name	Giving a lecture	memou
1	2	Ice and gypsum factor	Ice and gypsum	and using	Examinations
		specifications	factories	explanations	
2	2	Juice, jam and mineral	Juice factories, mineral	Giving a lecture	Evaminations
2	<i>L</i>	water factory conditions	and carbonated water	and using explanations	Examinations
		Awareness about	Desalination and		
3	2	drinking water	sterilization plants for	Giving a lecture	Examinations
3	2	plants and drinking	drinking water and	and using explanations	Examinations
		water projects	waste water projects	r	

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

### 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	

