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

### **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.

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

**<u>Program Mission:</u>** 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.

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

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

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

#### **Academic Program Description Form**

University Name: Al-Furat Al-Awsat Technical University

Faculty/Institute: Technical institute in Al-Diwaniyah

Scientific Department: Community Health Technologies

Academic or Professional Program Name: Diploma

Final Certificate Name: Diploma in Community Health Technologies

Academic System: Courses

**Description Preparation Date:** 

File Completion Date: 2024/2/24

Signature: Head of Department Name:

Assist.Prof.Dr. Masar Jabbar Jari Date:

Signature:

Scientific Associate Name: Assist.Prof.. Afrah Abdel Wahed Date:

The file is checked by: Department of Quality Assurance and University Performance Director of the Quality Assurance and University Performance Department: Assist.Prof. Afrah Rahim Idan

Date: Signature:

Approval of the Dean

Assist Prof. Dr. Zaid Maan Hassan Al-Dulaimi

#### 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 Struct	6. Program Structure									
Program Structure	Number of Courses	Credit hours	Percentage	Reviews*						
Institution										
Requirements										
College Requirements										
Department Requirements										
Summer Training										
Other										

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

Year/Level	Course Code	Course Name	Credit	Hours
	Coue		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	lization	Special Requirements/Skills (if applicable)	1	ber of the hing staff					
	General	Special		Staff	Lecturer					
Assist prof.	Veterinary Medicine	physiology		2						
Lecturer	Therapeutic rehabilitation	physical education and sports		1						
Lecturer	Biology	Physiology		1						
Lecturer	Biology	Ecology		1						
Lecturer	Microbiology	immunology		1						
Lecturer	Pre-Islamic literature	Arabic literature		1						
Assist lecturer	Chemistry	Organic Chemistry		1						
Assist lecturer	mathematics	Numerical integration		1						
Assist lecturer	Public law	International public law		1						
Assist lecturer	Biology	Physiology		2						
Assist lecturer	Biology	Microbiology		3						
Assist lecturer	Veterinary Medicine	Parasitology		1						
Assist lecturer	Veterinary Medicine	Common disease		1						
Assist lecturer	Veterinary Medicine	Poultry diseases		1						
Assist lecturer	Community health	Community health		1						
Assist lecturer	Biotechnology	Microbiology		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									
								Requi	red prog	ram Lo	earning o	utcomes			
	Course	~	Basic or		Knowledge Skills Ethics							hics			
Year/Level	Code	Course Name	optional	A1	A2	A3	A4	B1	B2	<b>B3</b>	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>D</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	•	•	•	•	•	•	•	•	•	•	•	•

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

			000000			
1.	Course	Name:				
	Princ	ciples of	Communit	ty Health		
2.	Course	Code:				
3.		er / Yea				
			z / 1 <sup>st</sup> year			
4.			eparation D	Date:		
	-	4/2/24				
5.	Availab	le Atten	dance Form	IS:		
			Direct			
6.				otal) / Number of Ur	nits (Total)	
	5 ho	urs / 5 u	inits			
				ame (mention all, if	f more than or	ne name)
			Salih Dakhi			
	Email:	Nawfal.c	<u>dakhil@atu</u>	<u>.edu.iq</u>		
0	Course	Objective				
	Objective	Objectiv	r	he goals and strategies of t	the community hea	lth system
course	Objective	65		ut the services and duties	•	•
			centers		F	
			•To know h	ow to organize the family	registry forms for p	regnant women
			and childr			
				he most important types of	of vaccines and wa	ys to deal with
			them	ealth information and mea	ourse of basith and	lillnoog
9.	Taachir	a and L	earning Stra		asures or nearth and	1 IIIIess
Strateg		1 1. Theo	retical lecture	es and the use of moderr	scientific metho	ds in presenting
	<i>,</i>		s (data show)			as in presenting
			11	on of theoretical vocabu	lary	
10 0	C.		ical training i	n hospitals		
<u>10. C</u> Week	ourse St Hours		d Learning	Unit or subject	Learning	Evaluation
WUUK	nours	Outcom	0	name	method	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	•	health care,	Primary health care primary health care	Giving a lecture and using explanations	Examinations

			programs - goals and strategies		
3	2	Vaccines Immunity Vaccines, their types and methods of administration Nationalvaccination schedule in Iraq	Vaccines Immunity Vaccines, their types and methods of administration National vaccination schedule in Iraq	Giving a lecture and using explanations	Examinations
4 &5	2	Maternal and child care services	Maternal and child care services	Giving a lecture and using explanations	Examinations
6	2	Lactation and its types	Breastfeeding/its benefits for the mother and child - artificial feeding - and its disadvantages	Giving a lecture and using explanations	Examinations
7	2	Diarrhea in children	Diarrhea in children - its causes - types - how to avoid and prevent it	Giving a lecture and using explanations	Examination
8	2	Dehydration in children and its types	Dehydration in children - its types, signs, and how to avoid it	Giving a lecture and using explanations	Examinations
9	2	The importance of school health unit services within the health care center	The importance of school health unit services within the health care center	Giving a lecture and using explanations	Examinations
10	2	Medical waste and how to deal with it	Medical waste and how to deal with it	Giving a lecture and using explanations	Examinations
11	2	Pandemic influenza(Coronavirus -bird flu)	Pandemic influenza (Coronavirus - bird flu)	Giving a lecture and using explanations	Examinations
12	2	Knowledge of some communicable diseases	Some communicable diseases (tuberculosis, paralysis)	Giving a lecture and using explanations	Examinations
13	2	Knowledge of some communicable diseases	Some transmissible diseases (diphtheria, whooping cough, tetanus).	Giving a lecture and using explanations	Examinations
14	2	Health and life statistics - sources of information collection	Health and life statistics The general method of health research - Births and deaths information	Giving a lecture and using explanations	Examinations
15	2	Measures of health and disease: measures of births and deaths	Measures of health and disease: measures of births and deaths	Giving a lecture and using explanations	Examinations
		valuation	uding to the test of the second	modes the state	at an also a stati
prepar	ation, da	e score out of 100 acco aily oral, monthly, or w and Teaching Resou	ritten exams, reports		nt such as daily

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

			Course	e Description Fol	rm				
13.	Course	Name:							
Fundamentals of Nursing 1									
14.	Course			0					
15.	Semest	er / Year:							
	Seme	ester first / 1	<sup>st</sup> year						
16.	Descrip	otion Prepa	ration D	Date:					
	-	4/2/24							
17.	Availat	le Attendar	ice Form	IS:					
		D	irect						
18.	Number	r of Credit l	Hours (T	otal) / Number of U	nits (Total)				
	4 ho	urs / 4 uni	ts						
19.	name)	Course adn	ninistrat	or's name (mentio	n all, if more t	han one			
	/	Huda Noor	Hassan						
	Email:	Huda.hassa	an@atu.e	edu.iq					
				·					
20.	Course	Objectives							
Course	Objectiv	es •	Knowledge	e of nursing property					
			-	e of vital signs, how to m		boratory tests			
				f administering and storing	ng medications				
01	Teel		First aid	4					
Z1. Strateg		ig and Lear	-	es and the use of moder	m scientific metho	de in presenting			
Strateg.	y	lectures (da			II scientific metho	us in presenting			
		,	,	on of theoretical vocable	ulary				
			l training i	n hospitals					
	ourse S								
Week	Hours	Required L	earning	Unit or subject	Learning	Evaluation			
		Outcomes First ai	d in	name First aid in	method	method			
		laboratori		laboratories and					
		Personal pr		Personal protective	Giving a lecture				
1	2	equipm Fundame		equipment, Fundamental of	and using	Examinations			
		Nursing, de		Nursing, definition	explanations				
		(Nursing,		(Nursing , Nurse,					
		health, He	ospital	health, Hospital					
		Administra	Administration &						
		discharge o from hospita	•	discharge of patient from hospital, pt.chart,	Giving a lecture				
2&3	2	, oral report,		oral report, written of	and using	Examinations			
				report, Nursing	explanations				
		report , N process.(As	-	process.(Assessing,					

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

in giving	intravenous			
infusion,	Role of Nurse			
Ű.	ing blood			
	on the goal of			
	ansfusion,			
	ant notes in			
	infusion.			
23.Course Evaluation				
Distributing the score out of 100 according to the				
preparation, daily oral, monthly, or written exa	ns, reports etc			
24.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 (scientifi	c Ahlam Farag, Elham Amin - Basic Principle			
journals, reports)	Nursing - Ministry of Higher Education			
	Scientific Research - 2986			
Electronic References, Websites				

			Course	e Description For	111					
25.	25.Course Name:									
	Gen	eral An	atomy 1							
26.	26.Course Code:									
27.	Semest	er / Yea	r:							
	Seme	ster first	/ 1 <sup>st</sup> year							
28.	Descrip	tion Pre	eparation D	Date:						
	2024	4/2/24								
29.	Availab	le Atten	dance Form	s:						
			Direct							
30.	Number	of Cred	lit Hours (T	otal) / Number of Ur	nits (Total)					
	4 ho	urs / 4 u	inits							
31.		course a	administrat	or's name (mentior	n all, if more th	nan one				
-	name)									
			ziz Bahidh							
	Email:	Azhar.ba	ahidh@atu.	<u>.edu.iq</u>						
20	0	01 · · ·								
		Objectiv		a la . Tha students at the se	d of the Acadamia	Veen will have				
Course	Objective	28		bals : The students at the entry to recognize all the parts of						
			-	bals : The students will be	•	anatonnearly.				
			-	relate between the function		of each part of				
			the body.		,	r				
			•He can assi	ist the medical doctor in dia	agnosis and treatme	ent in some way				
			, primarily	and simply as necessary.						
33.	Teachin	ig and Lo	earning Stra	itegies						
Strategy	Ŷ			using modern presentati	ion methods, such	n as using the				
			y atlas 3D pro	ogram ansferring the reality of	the lecture from t	he theoretical to t				
		practica		ansiening the reality of		ne meorencar to t				
		+		ts into groups to discuss	specific topics					
34. C	ourse St	ructure								
Week	Hours	_	d Learning	Unit or subject	Learning	Evaluation				
		Outcom	es	name	method	method				
		_		Introduction and definition of anatomy,	Giving a lecture					
1	2		uction and	surface anatomy of the	and using	Examinations				
		dermitio	n of anatomy	body, anatomical	explanations					
				position, median plane. Surface anatomy :						
	2	Cf	a anoto	planes and vertical	Giving a lecture	Examinations				
2	2	Surfac	e anatomy	lines	and using explanations	Examinations				
					T					

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	and using explanations	Examinatior
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 lower limb and trunk	Joints of upper and lower limb and trunk	Giving a lecture and using explanations	Examinations
13	2	Muscular system : types of muscles , muscles of head and face , general information	Muscular system : types of muscles , muscles of head and face , general information	Giving a lecture and using explanations	Examinations
14	2	Muscles of upper limb : limbo vertebral muscles , limbo thoracic muscles , muscles of	Muscles of upper limb : limbo vertebral muscles , limbo thoracic muscles , muscles of the shoulder	Giving a lecture and using explanations	Examinations

		the shoulder,	, muscles of	upper arm,		
		muscles of upper	muscles	of hand		
		arm, muscles of hand				
		Muscles of the lower	Muscles of	the lower		
		limb : muscles of the	limb : muse	cles of the	Giving a lecture	
15	2	iliac region, muscles	iliac region	, muscles	and using	Examinations
		of the gluteal region,	of the glute	al region,	explanations	
		muscles of thigh	muscles	of thigh		
35.C	ourse E	valuation				
Distrib	uting the	e score out of 100 acco	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	-
36.Le	earning	and Teaching Resou	urces	•		
0 0			Principle of anatomy, Dr. Hani T. Al-			
Required textbooks (curricular books, if any)			Azawi, 4 <sup>th</sup> edition, 1988.			
Main re	eferences	(sources)		Principle of anatomy, Dr. Abdul-Rahman		
				M. Abdul- Raheim & Dr. Ali K.		
		books and references	(scientific	Basic anatomy		
~	s, reports	,		-		
Electron	nic Refer	rences, Websites		W	WW.MEDSCAPI	E.COM

37.	.Course	Name:				
	Phys	siology 1				
38.	.Course	Code:				
39.	.Semest	ter / Year:				
	Seme	ester first / 1	<sup>st</sup> year			
40.		ption Prepa	ration Da	ate:		
		4/2/24				
41.	.Availał	ole Attendan	ce Forms	:		
			rect			
42.	.Numbe	r of Credit H	Hours (To	tal) / Number of Uni	ts (Total)	
		urs / 4 unit				
43	. (	Course adm	ninistrato	r's name (mention	all, if more the	han one
	name)					
		Afrah Abde				
		<u>Dw.afrh@a</u>	<u>tu.edu.iq</u>			
		Objectives				
Course	Objectiv	es		student is able to know	physiology of h	uman body
				ucture and functions)		• .• .1 .
				student is able to done r ated with physiology	nore clinical exa	imination that
45.	.Teachii	ng and Learr	Rela	ated with physiology	nore clinical exa	amination that
45. Strateg		ng and Learr	Rela	ated with physiology	nore clinical exa	
		Direct of Transference of the test of tes	Rela ning Strat questions erring the re	ated with physiology egies eality of the lecture from	the theoretical	to the practical
Strateg	ÿ	Direct of Transference Distribution	Rela ning Strat questions erring the re	ated with physiology egies	the theoretical	to the practical
Strateg 46. C	y Course S	Direct of Transference of Transference of Transference of the	Rela ning Strate questions erring the ro uting stude	ated with physiology egies eality of the lecture from nts into groups to discus	the theoretical ss specific topics	to the practical
Strateg 46. C	y Course S	Oirect of Transference of Distribution of the second	Rela ning Strate questions erring the ro uting stude	ated with physiology egies eality of the lecture from nts into groups to discus <b>Unit or subject</b>	the theoretical ss specific topics <b>Learning</b>	to the practical
Strateg 46. C	y Course S	Direct of Transference of Transference of Transference of the	Rela ning Strat questions erring the ro uting stude earning	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions	the theoretical ss specific topics	to the practical
Strateg 46. C	y Course S	Oirect of Transfe Distribut tructure Required Lo Outcomes Safety precauthe hazar	Relations repring the resulting stude earning tions from rds of	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of	the theoretical ss specific topics <b>Learning</b>	to the practical
Strateg 46. C	y Course S	Oirect of Transfe Distribut tructure Required Lo Outcomes Safety precau the hazar laboratory m	Relations questions erring the re- uting stude earning tions from rds of naterials,	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions	the theoretical ss specific topics <b>Learning</b>	to the practical
Strateg 46. C	y Course S	Oirect of Transfe Distribut tructure Required Lo Outcomes Safety precauthe hazar	Relations questions erring the re- uting stude earning tions from rds of naterials, ls and	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of laboratory materials, chemicals and .electricity	n the theoretical ss specific topics Learning method Giving a	to the practical
Strateg 46. C	y Course S	Oirect of Transfe Distribut tructure Required Lo Outcomes Safety precau the hazar laboratory m chemical .electri Cells(Define	Relations ning Strate questions erring the re- uting stude earning tions from rds of naterials, ls and city – Types –	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of laboratory materials, chemicals and .electricity Cells(Define – Types	the theoretical ss specific topics Learning method Giving a lecture and	to the practical
Strateg 46. C Week	y Course S Hours	Oirect of Transfe Distribut tructure Required Lo Outcomes Safety precau the hazar laboratory m chemical .electri Cells(Define Structures o	Relations rearning Strate questions erring the re- uting stude earning tions from rds of naterials, ls and city – Types – f cells ),	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of laboratory materials, chemicals and .electricity	n the theoretical ss specific topics Learning method Giving a	to the practical
Strateg 46. C Week	y Course S Hours	Oirect of Transfe Distribut tructure Required Lo Outcomes Safety precau the hazar laboratory m chemical .electri Cells(Define Structures o Tissues (Defi	Relations ring Strate questions erring the re- uting stude earning tions from rds of naterials, ls and city – Types – f cells ), ne, Types	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of laboratory materials, chemicals and .electricity Cells(Define – Types – Structures of cells ) , Tissues (Define , Types , Structures of	the theoretical ss specific topics <b>Learning</b> <b>method</b> Giving a lecture and using	to the practical
Strateg 46. C Week	y Course S Hours	Oirect of Transfer Distribut tructure Required Locon Outcomes Safety precau the hazar laboratory m chemical .electri Cells(Define Structures o Tissues (Defi , Structures o Muscles (Defi	Relations ring Strate questions erring the re- uting stude earning tions from rds of naterials, ls and city – Types – f cells ), ne, Types f tissues), ine, Types	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of laboratory materials, chemicals and .electricity Cells(Define – Types – Structures of cells ), Tissues (Define , Types , Structures of tissues) , Muscles	the theoretical ss specific topics <b>Learning</b> <b>method</b> Giving a lecture and using	to the practical s Evaluation method
Strateg 46. C Week	y Course S Hours	Oirect of Transfe Distribut tructure Required Lo Outcomes Safety precau the hazar laboratory m chemical .electri Cells(Define Structures o Tissues (Defi , Structures o	Relations ring Strate questions erring the re- uting stude earning tions from rds of naterials, ls and city – Types – f cells ), ne, Types f tissues), ine, Types	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of laboratory materials, chemicals and .electricity Cells(Define – Types – Structures of cells ) , Tissues (Define , Types , Structures of	the theoretical ss specific topics <b>Learning</b> <b>method</b> Giving a lecture and using	to the practical s Evaluation method
Strateg 46. C Week	y Course S Hours	Oirect of Transfe Distribut tructure Required Lo Outcomes Safety precau the hazar laboratory m chemical .electri Cells(Define Structures o Tissues (Defi , Structures o Muscles (Defi , Structures o Blood –Fur	Relations ning Strate questions erring the re- uting stude earning tions from rds of naterials, ls and city – Types – f cells ), ne, Types f tissues), ine, Types f muscles(	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of laboratory materials, chemicals and .electricity Cells(Define – Types – Structures of cells ), Tissues (Define , Types , Structures of tissues) , Muscles (Define , Types , Structures of muscles( Blood –Functions –	the theoretical ss specific topics <b>Learning</b> <b>method</b> Giving a lecture and using explanations	to the practical s Evaluation method
Strateg 46. C Week	2 2 2 2 2	Direct of Transfe Distribut tructure Required Lo Outcomes Safety precau the hazar laboratory m chemical .electri Cells(Define Structures o Tissues (Defi , Structures o Muscles (Defi , Structures o Blood –Fur properties co	Relations ring Strate questions erring the re- uting stude earning tions from rds of naterials, ls and city – Types – f cells ), ne, Types f tissues), ine, Types f muscles( metions – mposition	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of laboratory materials, chemicals and .electricity Cells(Define – Types – Structures of cells ), Tissues (Define , Types , Structures of tissues) , Muscles (Define , Types , Structures of muscles( Blood –Functions – properties composition	a the theoretical ss specific topics Learning method Giving a lecture and using explanations Giving a	to the practical s
Strateg 46. C Week	y Course S Hours	Oirect of Transfe Distribut tructure Required Lo Outcomes Safety precau the hazar laboratory m chemical .electri Cells(Define Structures o Tissues (Defi , Structures o Muscles (Defi , Structures o Blood –Fur	Relations ring Strate questions erring the re- uting stude earning tions from rds of naterials, ls and city – Types – f cells ), ne, Types f tissues), ine, Types f muscles( actions – mposition na –blood	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of laboratory materials, chemicals and .electricity Cells(Define – Types – Structures of cells ), Tissues (Define , Types , Structures of tissues) , Muscles (Define , Types , Structures of muscles( Blood –Functions –	the theoretical ss specific topics <b>Learning</b> <b>method</b> Giving a lecture and using explanations Giving a lecture and	to the practical s Evaluation method
Strateg 46. C Week	2 2 2 2 2	Oirect of Transfe Distribut tructure Required Lo Outcomes Safety precau the hazar laboratory m chemical .electri Cells(Define Structures o Tissues (Defi , Structures o Muscles (Defi , Structures o Blood –Fur properties co –blood plasm	Relations ring Strate questions erring the re- uting stude earning tions from rds of naterials, ls and city – Types – f cells ), ne, Types f tissues), ine, Types f muscles( inctions – mposition na –blood n- proprieties	ated with physiology egies eality of the lecture from nts into groups to discus Unit or subject name Safety precautions from the hazards of laboratory materials, chemicals and .electricity Cells(Define – Types – Structures of cells ), Tissues (Define , Types , Structures of tissues) , Muscles (Define , Types , Structures of muscles( Blood –Functions – properties composition –blood plasma –blood	a the theoretical ss specific topics Learning method Giving a lecture and using explanations Giving a	to the practical s

		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	•	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	Examinations
15	2	Skin (Define , Structures , Functions)s	Skin (Define , Structures , Functions)s	Giving a lecture and	Examinations

47.Course Evaluation			
Distributing the score out of 100 according to the t	asks assigned to the student such as daily		
preparation, daily oral, monthly, or written exams, reports etc			
48.Learning and Teaching Resources			
Required textbooks (curricular books, if any)			
Main references (sources)			
Recommended books and references (scientific	Guyton, A. C. and Hall, J. E. 2006. Textbook		
journals, reports)	of Medical Physiology. 11th Edition.		
Jen in , i realized	Saunders, Philadelphia. USA.		
	Bipin Kumar. 2001. Human Physiology.		
	Campus Book International, New Delhi		
Electronic References, Websites			

<ul> <li>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</li> <li>55. Course administrator's name (mention all, if more than one name) Name: Athraa abul Ameer AbudIrab Email: <u>athraa.abdulrab@atu.edu.iq</u></li> </ul>
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: Athraa abul Ameer AbudIrab
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: Athraa abul Ameer AbudIrab
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: Athraa abul Ameer Abudlrab
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: Athraa abul Ameer Abudlrab
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: Athraa abul Ameer Abudlrab
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: Athraa abul Ameer AbudIrab
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: Athraa abul Ameer Abudlrab
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: Athraa abul Ameer AbudIrab
<ul> <li>54.Number of Credit Hours (Total) / Number of Units (Total)</li> <li>4 hours / 4 units</li> <li>55. Course administrator's name (mention all, if more than one name)</li> <li>Name: Athraa abul Ameer Abudlrab</li> </ul>
4 hours / 4 units 55. Course administrator's name (mention all, if more than one name) Name: Athraa abul Ameer AbudIrab
55. Course administrator's name (mention all, if more than one name) Name: Athraa abul Ameer AbudIrab
name) Name: Athraa abul Ameer Abudlrab
name) Name: Athraa abul Ameer Abudlrab
Name: Athraa abul Ameer Abudlrab
56.Course Objectives
Course Objectives     • General objectives :
• Student will be able to know a simple general idea about :
• Pathogenes (Bacteria, fungi, parasites and viruses), the immunity and
disease prevention
• Special objectives :
• Student will be able to :
• To diagnose some simple cases in his field work, instead of specialest, when specielest is absent.
<ul> <li>Do some tests in the labs.</li> </ul>
<ul><li>Collect, preserve and transport the pathgenic samples.</li></ul>
<ul> <li>Give an advice for disease prevention and control</li> </ul>
57.Teaching and Learning Strategies
Strategy     • Direct questions
o Transferring the reality of the lecture from the theoretical to the practical
Distributing students into groups to discuss specific topics
58. Course Structure
WeekHoursRequired LearningUnit or subjectLearningEvaluationOutcomesnamemethodmethod
Outcomes     name     method       History of     Imethod
microbiology, site of
microorganism in the History of Giving a lecture
1 2 microorganism in the world of the living & History of microbiology Examinations
1 2 microorganism in the History of Giving a lecture and using Examination
1 2 microorganism in the world of the living & the branches of History of microbiology. Giving a lecture and using explanations
1 2 microorganism in the world of the living & the branches of microbiology. Bistory of microbiology Bistory Of Bistory of microbiology Bistory Of Bistory of Mistory Of Mistory Of Mistory Of Mistory Of Mistor

		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 cell structure.	bacterial cell structure.	and using explanations	Examinations
		Bacterial		Giving a lecture	
3	2	requirement, growth	Bacterial requirement,	and using	Examinations
	_	curve	growth curve	explanations	
	_	Controle of	Controle of	Giving a lecture	
4	2	microorganisms	microorganisms	and using	Examinations
		meroorgumininis	meroorganismis	explanations	
		Pathogenes of	Pathogenes of	Giving a lecture	
5	2	respiratory system.	respiratory system.	and using	Examinations
		respiratory system.	respiratory system.	explanations	
		2 Pathogenes of digestive system.	Pathogenes of digestive	Giving a lecture	<b>F</b>
6	2		system.	and using	Examinatio
		urgesuve system.	system.	explanations	
		2 Pathogenes of urinary and sexual systems	Pathogenes of urinary and sexual systems	Giving a lecture	Energia (1
7	2			and using	Examinations
		and sexual systems	and sexual systems	explanations	
	_	Food poisoning		Giving a lecture	E
8	2		Food poisoning	and using	Examinations
				explanations	
		Contamination of hospitals	Contamination of hospitals	Giving a lecture	Examinations
9	2			and using	
				explanations	
	2	General characters of	General characters of	Giving a lecture	
10	2	fungi	fungi	and using	Examinations
				explanations	
				Giving a lecture	
11	2	Fungi disease	Fungi disease	and using	Examinations
				explanations	
		the viruses, shapes,	The viruses, shapes,	Giving a lecture	
12	2	sizes & some viral	sizes & some viral	and using	Examinations
		diseases	diseases	explanations	
_		Introduction of	Introduction of	Giving a lecture	
13	2			and using	Examinations
		parasites.	parasites.	explanations	
		Protozoa,	Drotozoa Entamasha	Giving a lecture	
14	2	Entamoeba	Protozoa, Entamoeba	and using	Examinations
		histolytica	histolytica	explanations	
			Elegalletas Ciardia	Giving a lecture	
15	2	Flagellates, Giardia.	Flagellates, Giardia.	and using	Examinations
		Trichomonase	Trichomonase	explanations	
		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	

		Course	e Description For	111	
61.	Course	Name:			
	Bios	tatic 1			
62.	Course	Code:			
63.		er / Year:			
		ster first / 1 <sup>st</sup> year			
64.	-	tion Preparation E	Date:		
(5	-	/ 2/24			
65	Availab	le Attendance Form	IS:		
661	N	Direct	(atal) / Number of L	te (Total)	
00.			otal) / Number of U	nts (10tal)	
	2 1101	ırs / 2 units			
67.	C	ourse administrat	or's name (mention	all if more th	nan one
-	name)				
	/	Mayser ilan Abaas			
		nayser.aljubouri.d	w@atu.edu.ig		
	_		*		
68.	Course (	Objectives			
Course	Objective	e	vith statistical data		
			vith and knowing statistica		
		<u> </u>	g the statistical form as such as births, deaths, ar		elated to daily
60 '	Toachin	g and Learning Stra		iu diseases	
Strategy		Direct questions	uegies		
~		1	ality of the lecture from	the theoretical to	the practical
			nts into groups to discus	s specific topics	
	ourse St		<b>T</b> T •/ <b>T</b> • /		
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
		Introduction to	Introduction to		
		statistics and its types	statistics and its types	Giving a lecture	
2&1	2	<ul><li>Samples</li><li>Variables</li></ul>	<ul><li>Samples</li><li>Variables</li></ul>	and using	Examinations
		Classified and	Classified and	explanations	
		unclassified data.	unclassified data.		
		Representing frequency	Representing		
		distributions for	frequency distributions		
10-7	2	"classified data"	for "classified data"	Giving a lecture	Examination
4&3	2	- Graphical display	- Graphical display methods (histogram,	and using explanations	Examinations
		methods (histogram,	histogram, histogram,	explainations	
		histogram, histogram,	polygon)		
		polygon)	r , 80,		

7&6&5	2	Measures of central tendency - arithmetic mean - median - mode	Measures of tendency - a mean - med	arithmetic	Giving a lecture and using explanations	Examinations
8	2	Methods of selecting statistical samples "its meaning and methods of selection"	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.Co	ourse Ev	aluation		,	•	•
		score out of 100 accor				nt such as daily
		ly oral, monthly, or wi		s, reports .	etc	
/2.Le	anning	and Teaching Resou	ices	Adnan Sl	naker Al-Rubaie	- Principles of
Required	d textboo	oks (curricular books, if	any)	Adnan Shaker Al-Rubaie - Principles of statistics and its uses in the field of public health / Ministry of Health 1981		
Main references (sources)				Banderford Hill. Fundamental in Biostatistics 1975 F. Margrette -Fundamental in Public health		
Recommended books and references (scientific journals, reports)				W.DIXOI statistical	N and F. massey _ Analysis oel _ Introductior	
Electron	ic Refere	ences, Websites				

72							
75.	Course	Name:					
	Clin	ical Che	mistry 1				
74.	Course	Code:					
	_						
75.		er / Year					
		ster first	•				
76.			paration D	Date:			
77		$\frac{4}{2/24}$	an ao Eorra				
//.	Availau		ance Form Direct	15.			
78	Number			otal) / Number of Ur	vits (Total)		
70.		urs / 4 ui			nts (10tal)		
	1 110	uis / i ui	1105				
79.	. C	course a	dministrat	or's name (mentior	n all, if more t	han one	
	name)			,	·		
	Name:	Roaa abu	d Jaythoo	m			
	Email:	<u>Roaa.jayt</u>	<u>:hoom@at</u>	<u>u.edu.iq</u>			
		Objective					
Course	Objective		1) The student knows what clinical chemistry is, its principles and its importance in the field of medicine.				
			<ul><li>2) It measures the chemical components in the human body in the</li></ul>				
			laboratory.	es die enemieur compor		in obdy in the	
81.	Teachir		arning Stra	ategies			
Strateg			pretical lectures and the use of modern scientific methods in presenting				
			(data show)				
			cal application cal training i	on of theoretical vocabul	lary		
82. C	ourse St			II nospitais			
		ructure		•			
Week	Hours		Learning	Unit or subject	Learning	Evaluation	
			0	Unit or subject name	Learning method	Evaluation method	
		Required Outcome Safety star	s sindards when	Unit or subject name Safety standards when	U		
		Required Outcome Safety star establi	s ndards when shing or	Unit or subject name Safety standards when establishing or establishing workshops	U		
		Required Outcome Safety star establi establ	s ndards when shing or lishing	Unit or subject name Safety standards when establishing or establishing workshops and scientific	U		
		Required Outcome Safety star establi estab worksh	s ndards when shing or	Unit or subject name Safety standards when establishing or establishing workshops and scientific laboratories. Basic	U		
		Required Outcome Safety star establi estab worksh scientific l Basic equi	s ndards when shing or lishing nops and aboratories. pment to be	Unit or subject name Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be	method		
Week	Hours	Required Outcome Safety star establi estab worksh scientific I Basic equi avail	s ndards when shing or lishing nops and aboratories. pment to be able in	Unit or subject name Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be available in	method Giving a lecture	method	
		Required Outcome Safety star establi estab worksh scientific I Basic equi avail laborator	s ndards when shing or lishing nops and aboratories. pment to be able in ies . Safety	Unit or subject name Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be available in laboratories . Safety	<b>method</b> Giving a lecture and using	method	
Week	Hours	Required Outcome Safety star establi estab worksh scientific I Basic equi avail laboratori precaution	s ndards when shing or lishing nops and aboratories. pment to be able in ies . Safety ns from the	Unit or subject name Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be available in	method Giving a lecture	method	
Week	Hours	Required Outcome Safety star establi estab worksh scientific l Basic equi avail laboratori precaution hazards of	s ndards when shing or lishing nops and aboratories. pment to be able in ies . Safety ns from the f laboratory	Unit or subject name Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be available in laboratories . Safety precautions from the	<b>method</b> Giving a lecture and using	method	
Week	Hours	Required Outcome Safety star establi estab worksh scientific I Basic equi avail laboratori precaution hazards of materials	s ndards when shing or lishing nops and aboratories. pment to be able in ies . Safety ns from the f laboratory , chemicals	Unit or subject name Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be available in laboratories . Safety precautions from the hazards of laboratory materials, chemicals and electricity.	<b>method</b> Giving a lecture and using	method	
Week	Hours	Required Outcome Safety star establi estab worksh scientific I Basic equi avail laboratori precaution hazards of materials, and ele	s ndards when shing or lishing nops and aboratories. pment to be able in ies . Safety ns from the f laboratory , chemicals ectricity.	Unit or subject name Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be available in laboratories . Safety precautions from the hazards of laboratory materials, chemicals and electricity. Chemical hazards and	<b>method</b> Giving a lecture and using	method	
Week	Hours	Required Outcome Safety star establi estab worksh scientific I Basic equi avail laboratori precaution hazards of materials and ele Chemical	s ndards when shing or lishing nops and aboratories. pment to be able in ies . Safety ns from the f laboratory , chemicals ectricity. hazards and	Unit or subject name Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be available in laboratories . Safety precautions from the hazards of laboratory materials, chemicals and electricity. Chemical hazards and how to deal with them	<b>method</b> Giving a lecture and using	method	
Week	Hours	Required Outcome Safety star establi estab worksh scientific I Basic equi avail laboratori precaution hazards of materials, and ele Chemical how to dea	s ndards when shing or lishing nops and aboratories. pment to be able in ies . Safety ns from the f laboratory , chemicals ectricity.	Unit or subject name Safety standards when establishing or establishing workshops and scientific laboratories. Basic equipment to be available in laboratories . Safety precautions from the hazards of laboratory materials, chemicals and electricity. Chemical hazards and	<b>method</b> Giving a lecture and using		

		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	Examinatio

		the human body -	excessive urine -		
		Normal rate of urine	Definition of poor urine		
		excretion - Definition	Definition of lack of		
		of excessive urine -	urine		
		Definition of poor			
		urine - Definition of			
		lack of urine			
		Natural and unnatural	Natural and unnatural		
		components of urine -	components of urine -		
		general urine analysis -	general urine analysis -	Giving a lecture	
7	2	clinical importance -	clinical importance -	and using	Examinations
	urinary system stones	urinary system stones	explanations		
		and their types - and	and their types - and	•	
		the reasons for their	the reasons for their		
		formation	formation		
		Blood vessels (arteries	Blood vessels (arteries	~	
-	_	-veins-capillary blood	-veins-capillary blood	Giving a lecture	
8	2	vessels ) properties –	vessels ) properties –	and using	Examinations
		blood cycle (pulmonary	blood cycle	explanations	
		&systemic	(pulmonary &systemic		
		Blood pressure –	Blood pressure –	Giving a lecture	
9 2	normal value- factors	normal value- factors	and using	Examinations	
	_	effecting of blood	effecting of blood	explanations	Lituinitutions
		pressure	pressure	enpluitations	
		Respiratory system –	Respiratory system –	Circing a lasteres	
		structure – expiration –	structure – expiration –	Giving a lecture	
10	2	inspiration –	inspiration –	and using	Examinations
		respiratory muscles –	respiratory muscles –	explanations	
		respiratory rate.	respiratory rate.		
		Pulmonary volume –	Pulmonary volume –	Giving a lecture	
1.1	•	pulmonary ventilation	pulmonary ventilation	and using explanations Examina	Examinations
11	2	– regulation of gas	– regulation of gas		
		exchange in blood by	exchange in blood by		
		respiration.	respiration		
10	•	Urinary system –	Urinary system –	Giving a lecture	Enominations
12	2	structure – functions	structure – functions		Examinations
				explanations	
		Functions of kidneys-	Functions of kidneys-	Giving a lecture	
13	2	composition of urine	composition of urine –	and using	Examinations
		– cast and stone in	cast and stone in urine	explanations	
		urine normal	normal	-	
14	2	Ear and eye (	Ear and eye (structure	Giving a lecture	Examinations
14	2	structure and	and functions(	and using	Examinations
		functions(	×	explanations	
15	2	Skin (Define , Structures ,	Skin (Define,	Giving a lecture	Examinations
15	2	Functions)	Structures, Functions)	and using	Examinations
020		· · · · · ·		explanations	
		valuation			· -
			rding to the tasks assig		nt such as daily
repar	ation, da	ily oral, monthly, or w	ritten exams, reports	etc	
84.L	earning	and Teaching Resou	irces		
	0	C		hemistry/Moham	ad Eath: Al
		oks (curricular books, if	, , I Chinical C	nemistrv/wonam	ей гаші АІ-

	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			

0.	0			_				
	Course							
	-		cations 1					
86.	Course	Code:						
87.		er / Yea						
	Seme	ster first	z / 1 <sup>st</sup> year					
88.	Descrip	otion Pre	eparation D	)ate:				
	2024	4/2/24						
89.	Availab	le Atten	dance Form	IS:				
			Direct					
90.	Number	r of Cred	lit Hours (T	otal) / Number of Ur	nits (Total)			
		urs / 3 ι						
91.		· · ·		or's name (mentior	all if more t	han one		
	name)		auninistrat					
	/	Chalana		_]-:				
			Ibrahem M					
		-	<u>naki.idi@a</u>	<u>tu.eau.iq</u>				
		Objectiv			1 . 1 (			
Course	Objective	es		it must be able to deal wit	-	amiliar with its		
0.2	<b>T</b> 1'	1 T		understand how to use its	sontware.			
			earning Stra		1 1			
• Delivering lectures using modern presentation methods								
• Direct questions, transferring the reality of the lecture from the theoretical to t practical								
<ul><li>Distributing students into groups to discuss specific topics</li></ul>								
94. C	ourse St		0	0 1	1			
Week	Hours	Require	d Learning	Unit or subject	Learning	Evaluation		
		Outcom	-	name	method	method		
			nition of	Definition of				
		·	uters: their	computers: their				
1	2	-	tions - their nts: hardware	generations - their components: hardware	Giving a lecture and using	Examinations		
T	2		vare - (system	and software - (system	explanations	Examinations		
			ware and	software and				
		applicati	on software).	application software).				
			S operating	ms-DOS operating				
		•	he concept of	system, the concept of				
		-	ting system -	the operating system -				
		•	m signal - the	the system signal - the				
			ne directories	disks - the directories	Giving a lecture			
2	2	·)	ir levels and	and their levels and files	and using	Examinations		
2	2	2		the internal the system	- or the internal	explanations		
				IIIO SVSIAM	operating system	-		
		-		commanda				
		com	mands -	commands -				
		com INT	mands - ERNAL	INTERNAL				
		com INT COMM	mands -					

		1			1	1
		commands (hgh, hlv, the most frequently used commands).	(hgh, hlv, frequentl comma	ly used		
3-12	2	Internal commands: Dir-Del-time-Data- Cls-RD-CD-MD- Echo-Ren-Copy- Vol-Ver-Path	Internal commands:		Giving a lecture and using explanations	Examinations
13-15	2	Windows operating system: The concept of the windows system - its advantages - and basic requirements - operating the system	Windows operating system: The concept of the windows system - its advantages - and basic requirements - operating the system		Giving a lecture and using explanations	Examinations
95.C	ourse E	valuation				
prepara	ation, da	e score out of 100 acco ily oral, monthly, or w	ritten exams	-		nt such as daily
	0	and Teaching Resound the second secon				
A		(sources)	( uny)			
Recom		books and references	(scientific			
Electron	nic Refer	ences, Websites				

97.	Course	Name:							
Human rights and democracy									
98.	Course	Code:							
99.	Semest	er / Year:							
	Semester first / 1 <sup>st</sup> year								
100	100. Description Preparation Date:								
2024/ 2/24									
101	l. A	vailable Attendance	e Forms:						
		Direct							
102	2. N	Jumber of Credit Ho	ours (Total) / Number	of Units (Tota	al)				
_		urs / 2 units							
103		/	or's name (mentior	all, if more t	han one				
	name)								
	/	Mohammed ghtar o	laiek						
		0	ek.idi7@atu.edu.iq						
104		Course Objectives	initial / Gataleading						
-	Dbjective	5	about human principles, v	alues and rights i	ntroduces them				
000000	0 ~ <b>J</b> ••••		nerations to respect and ad	-	in our our of the in,				
		-	al freedoms and what thes		their details				
105	5. Т	eaching and Learnin							
Strateg			etical lectures, direc	t questions.					
106 C	ourse St		<u>e e e e e e e e e e e e e e e e e e e </u>	e queserons,					
	Hours	Required Learning	Unit or subject	Learning	Evaluation				
		Outcomes	name	method	method				
		Human rights - their	Human rights - their	Giving a					
1	2	definition - their goals	definition - their goals	lecture and using	Examinations				
				explanations					
		Human rights in	Human rights in divine	Giving a					
2	2	divine laws, with a	laws, with a focus on	lecture and	Examinations				
		focus on human rights in Islam	human rights in Islam	using explanations					
		Non-governmental	Non-governmental	CAPIUIUUUIS					
		organizations and	organizations and						
		human rights	human rights	~					
		(International Committee of the Red	(International Committee of the Red	Giving a lecture and					
3	2	Commutee of the Red		using	Examinations				
	2	Cross - Amnesty	Cross - Amnesty						
	2	Cross - Amnesty International - Human	Cross - Amnesty International - Human						
	2	-	-	explanations					
	2	International - Human Rights Watch - Arab Human Rights	International - Human Rights Watch - Arab Human Rights						
	2	International - Human Rights Watch - Arab Human Rights Organizations).	International - Human Rights Watch - Arab Human Rights Organizations).						
4	2	International - Human Rights Watch - Arab Human Rights	International - Human Rights Watch - Arab Human Rights		Examinations				
		International - Human Rights Watch - Arab Human Rights Organizations). Human rights in the	International - Human Rights Watch - Arab Human Rights Organizations). Human rights in the	explanations					

		reality - The Iraqi	reality - The Iraqi	using	
		Constitution	Constitution	explanations	
		The relationship	The relationship	enplanations	
		between human rights	between human rights		
		and public freedoms:	and public freedoms:		
		• In the Universal	• In the Universal	Giving a	
=	2	Declaration of Human	Declaration of Human	lecture and using	Examinations
5	2				
		Rights	Rights	explanations	
		• In regional charters	• In regional charters	*	
		and national	and national		
		constitutions	constitutions	~	
		Modern human rights:	Modern human rights:	Giving a	
6	2	Economic, social,	Economic, social,	lecture and	Examinations
U	-	cultural, civil and	cultural, civil and	using	Examinations
		political human rights	political human rights	explanations	
		Guarantees of respect	Guarantees of respect		
		and protection of	and protection of		
		human rights at the	human rights at the		
		national and	national and	Circina	
		international levels.	international levels.	Giving a	
7	2	The role of non-	The role of non-	lecture and	Examinations
		governmental	governmental	using	
		organizations in	organizations in	explanations	
		respecting and	respecting and		
		protecting human	protecting human		
		rights	rights		
		The general theory of	The general theory of		
		freedoms: the origin	freedoms: the origin of		
		of rights and freedoms	rights and freedoms -	Giving a	
8	2	- the project's position	the project's position	lecture and	Examinations
0	4	on declared rights and	on declared rights and	using	Lammations
		freedoms - the use of	freedoms - the use of	explanations	
		the term freedoms	the term freedoms		
		Equality: the historical	Equality: the historical		
		development of the	development of the		
		concept of equality: -The modern	concept of equality: -The modern		
				Giving a	
9	2	development of the	development of the	lecture and	Examinations
ሃ	2	idea of equality	idea of equality	using	Examinations
		-Gender equality -	-Gender equality -	explanations	
		equality between	equality between	•	
		individuals according	individuals according		
		to their beliefs and	to their beliefs and race		
		race	Dama '	<u> </u>	
		Democracy - its	Democracy - its	Giving a	
10	2	definition - its types	definition - its types	lecture and	Examinations
	_			using	
				explanations	
		Democratic systems in	Democratic systems in	Giving a	
11	2	the world	the world	lecture and	Examination
11	4			using	Litaninations
				explanations	
		The crime of genocide	The crime of genocide	Giving a	
12	2			lecture and	Examinations
14	<u> </u>			using	Examinations
	1			explanations	1

		The concept of	The con	cept of			
		freedoms and the	freedoms	and the			
		preservation of public	preservation	n of public	Giving a		
13	2	freedoms:	freede	oms:	lecture and		
15	<u> </u>	-Fundamental	-Fundai	mental	using	Examinations	
		freedoms, intellectual	freedoms, i	ntellectual	explanations		
		freedoms, economic	freedoms,	economic			
		and social freedoms	and social	freedoms			
		Freedom of security	Freedom o	f security	Giving a		
14	2	and feeling of	and fee	ling of	lecture and	Examinations	
14	4	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	-	Freedom of assembly	Freedom of assembly -		using		
		- 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	nt such as daily	
prepar	ation, da	ily oral, monthly, or w	ritten exam	s, reports	etc		
		g and Teaching Res					
Require	ed textbo	oks (curricular books, if	Academic	skills			
Main re	eferences	(sources)					
Recom	mended	books and references	(scientific				
	s, reports						
v		ences, Websites					
		,					

				_				
109	109. Course Name:							
	Community Health							
110	110. Course Code:							
111	l. S	emester	· / Year:					
Semester second / 1 <sup>st</sup> year								
112. Description Preparation Date:								
2024/ 2/24								
113	8. A	vailable	Attendance	e Forms:				
			Direct					
114	1. N	lumber o	of Credit Ho	ours (Total) / Number	of Units (Tota	al)		
	5 ho	urs / 5 u	inits					
11:	5. C	course a	dministrat	or's name (mentior	all, if more th	nan one		
	name)							
	Name:	Nawfal S	Salih Dakhi					
	Email:	Nawfal.c	<u>lakhil@atu</u>	<u>.edu.iq</u>				
				-				
116	5. C	Course O	bjectives					
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							
	•To know the most important types of vaccines and ways to deal with							
			them	ne most important types o	i vaccines and wa	ys to dear with		
				ealth information and mea	sures of health and	l illness		
117	7. Т	eaching		ng Strategies				
Strateg		U		es and the use of modern	scientific method	ds in presenting		
		lectures	(data show)					
				on of theoretical vocabul	ary			
110 0			ical training i	n hospitals				
Week	ourse St Hours		d Loomina	Unit on subject	Looming	Evaluation		
vv eek	nours	Outcom	d Learning es	Unit or subject name	Learning method	method		
			isease, its	The disease, its causes,				
			factors that	and factors affecting	Giving a lecture			
1	2		the disease tive, host,	the occurrence of the disease (the	and using explanations	Examinations		
		-	onment).	epidemiological triad)	explanations			
_	_		ducation and	Health education and its	Giving a lecture			
2	2 2		procedures and using Examination		Examinations			
		_			explanations			

					[
3	2	Acute respiratory infections and their	Acute respiratory infections and their	Giving a lecture and using	Examinations
4	2	control Nutrition and food - the basic elements of lunch and how they affect the structure, growth and development of the child - diseases of malnutrition	control Nutrition and food - the basic elements of lunch and how they affect the structure, growth and development of the child - diseases of malnutrition	explanations Giving a lecture and using explanations	Examinations
5	2	The concept of school health and mental health - theSchool health - services - goals - programsGiving 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	Examinatior
7	2	School health strategies, services and dutiesSchool health strategies, services and dutiesGiving a lecture and using explanations		Examinations	
8	2	Components of health, school health - conditions of the school environment - the importance of a healthy school relationship with society	Components of health, school health - conditions of the school environment - the importance of a healthy school relationship with society	Giving a lecture and using explanations	Examinations
9	2	Nutrition and food - the basic elements of food and how they affect the structure, growth and development of the child - diseases of malnutrition	Procedures followed in inspecting the school environment - drinking water (general conditions - drawing and analyzing models) - sanitary facilities	Giving a lecture and using explanations	Examinations
10	2	Initial examination procedures for new students (sight, hearing, speech, and physical examination (physical disabilities)) -Primary eye and dental care)	Initial examination procedures for new students (sight, hearing, speech, and physical examination (physical disabilities)) -Primary eye and dental care)	Giving a lecture and using explanations	Examinations
11	2 dental care) 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)	ises (mumps - diseases (mu sles - German measles - G		Giving a lecture and using explanations	Examinations
13	2	Some sexually transmitted diseases (AIDS - viral hepatitis type B) - symptoms - prevention - treatment	Some sexually transmitted diseases (AIDS - viral hepatitis type B) - symptoms - prevention - treatment		Giving a lecture and using explanations	Examinations
14	2	Health and disease measures - disease incidence rate - disease spread rate	Health and disease measures - disease incidence rate - disease spread rate		Giving a lecture and using explanations	Examinations
15	2	Health administration introduction and objectives	Objectives adminis		Giving a lecture and using explanations	Examinations
119.	Course	Evaluation				
prepar	ation, da	e score out of 100 acco ily oral, monthly, or w g and Teaching Res	ritten exam	-		nt such as daily
Required textbooks (curricular books, if any)			Principles Hussein	of community	health/Nazira	
Main re	eferences	(sources)				
	mended s, reports	books and references	(scientific			
		ences, Websites	W	WW.MEDSCAPE.COM		

Fund 122. C 123. So Seme 124. D 2024 125. A 126. N 126. N 127. C name) Name: I Email: I 128. C Course Objective											
122. C $123. Set Set Set Set Set Set Set Set Set Set$	121. Course Name:										
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Seme         124.       D         2024         125.       A         126.       N         4 hou         127.       C         name)       Name: I         Email: ]       I         128.       C         Course Objective         129.       T         Strategy       T         130.       Strategy         120.       T         129.       T         129.       T         Strategy       T         130.       Strategy											
Seme 124. D 2024 125. A 125. A 4 hot 127. C name) Name: I Email: ] 128. C Course Objective 129. T Strategy 130. Curse St Week Hours 130. Curse St	123. Semester / Year:										
124.       D         2024         125.       A         126.       N         4 hou         127.       C         name)       Name: I         Email: I       I         128.       C         Course Objective         129.       T         Strategy       I         130. Course St         Week       Hours         1       2	ester second / 1 <sup>st</sup> yea	ar									
125. A $125. A$ $126. N$ $4 hotorerselectronic for the second state of the second s$											
125. A $126. N$ $4 hore 127. C name) Name: I Email: I I I I I I I I I I I I I I I I I I I$	124. Description Preparation Date: 2024/ 2/24										
126. N $4 hotorical horizontal horizonta$											
4 hor127.CommeName:Email:128.Course Objective129.TStrategy130.VeekHours12		. 1011115.									
4 hor127.CommeName:Email:128.Course Objective129.TStrategy130.VeekHours12	Direct	$(\mathbf{T}, (1) / \mathbf{N}, (1))$		1)							
127.C name)Name: I Email: I128.Course Objective129.T Strategy130.C∪rse St WeekHours12	Number of Credit Ho	ours (10tal) / Number	r of Units (10ta	al)							
Name:Name:Name:Email:128.Course Objective129.TStrategy130.WeekHours12	ours / 4 units										
Name:Email:128.Course Objective129.TStrategy130.C∪rse StWeekHours12	Course administrate	or's name (mentior	n all, if more tl	nan one							
Email: ] 128. C Course Objective 129. T Strategy 130.Curse St Week Hours 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											
128.       C         Course Objective         129.       T         Strategy       T         130.       Strategy         1       Strategy         1       Strategy         1       Strategy         1       Strategy	Huda Noor Hassan										
Course Objective       129.     T       Strategy     T       130.Course St     Week       Hours     1       1     2	Huda.hassan@atu.e	<u>edu.iq</u>									
Course Objective       129.     T       Strategy     T       130.Course St     Week       Hours     1       1     2											
Course Objective       129.     T       Strategy     T       130.     Course St       Week     Hours       1     2	Course Objectives										
Strategy 130.Curse St Week Hours 1 2	~	e of nursing property									
Strategy 130.Curse St Week Hours 1 2	• Knowledge	e of vital signs, how to me	asure them, and lal	ooratory tests							
Strategy 130.Curse St Week Hours 1 2	-	f administering and storing		•							
Strategy 130.Curse St Week Hours 1 2	• First aid	C .									
Strategy 130.Curse St Week Hours 1 2	Feaching and Learnin	ng Strategies									
130.Course StWeekHours12		es and the use of modern	scientific metho	ds in presenting							
WeekHours12	lectures (data show)			1							
WeekHours12		on of theoretical vocabu	lary								
WeekHours12	3. Practical training i	n hospitals									
1 2	tructure										
	<b>Required Learning</b>	Unit or subject	Learning	Evaluation							
	Outcomes	name	method	method							
	Role of Nurse in	Role of Nurse in									
	giving blood transfusion the goal of	giving blood transfusion the goal of	Giving a lecture								
2 2	blood transfusion,	blood transfusion,	and using	Examinations							
2 2	important notes in	important notes in	explanations								
2 2	blood infusion. blood infusion .										
2 2	Inhalation & oxygen,	Inhalation & oxygen,	Civing a last								
	method of giving oxygen, goals, nursing	method of giving oxygen, goals, nursing	Giving a lecture and using	Examinations							
	observations during	observations during	explanations	Examinations							
	giving oxygen .	giving oxygen .	1								
	Nasogastric	Nasogastric feeding,	C. I								
2 2	feeding, nursing	nursing procedures and	-	Examinations							
5 2	procedures and	<u> </u>		Examinations							
		lavage, definition,	CAPIAIIAIIOIIS								
3 2	giving oxygen . Nasogastric feeding, nursing	giving oxygen . Nasogastric feeding,	Giving a lecture and using explanations	Examinations							

_		lavage, definition,	goals, nursing care		
		goals, nursing care	during gastric lavage		
		during gastric			
		lavage			
		Urinary	. Urinary		
		catheterization,	catheterization,		
		definition, goals,	definition, goals,	Giving a lecture	
4	2	nursing observations,	nursing observations,	and using	Examinations
•	_	enema, definition,	enema, definition,	explanations	Linuminutions
		goals, nursing	goals, nursing	enplanatono	
		observations.	observations.		
		Pre & post-operative	Pre & post-operative		
		nursing care nursing	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	embolus, consupation		
		First aid, goals,	· First aid, goals,	Giving a lecture	
6	2	general principles in	general principles in firs	-	Examination
0	2	first aid.	aid.	explanations	Examinatio
		First aid of wounds,	First aid of wounds,	•••••••••••••••	
		types of wounds (open,	types of wounds (open,		
		close) wounds	close) wounds	Giving a lecture	
7	2	contamination, signs	contamination, signs	and using	Examinations
		and symptoms of	and symptoms of	explanations	
		wound infection	wound infection	<u>r</u>	
		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	1	
		aid and nursing	nursing procedures		
		procedures.			
		First aid of shock,	First aid of shock,		
		definition, types of	definition, types of	Civing a last	
9	2	shock (neurogenic,	shock (neurogenic,	Giving a lecture	Examinations
7	2	psychiatric, toxic,	psychiatric, toxic,	and using explanations	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
10		complications,	complications, nursing	explanations	Examinations
		nursing care for	care for patient treated	CAPIANAUONS	
		patient treated by	by splint.		
		splint .			
	2	First aid of burns,	First aid of burns,	Giving a lecture	
11		definition, types and	definition, types and	and using	Examinations
11			-	explanations	

		1 01	-		1	1
		degree of burns,	degree o			
	2	complications .	complic			
12		First aid of poison and poisoning, definition, sign and symptoms, types of poisons, general principles in	finition, sign and s aptoms, types of isons, general pr		Giving a lecture and using explanations	Examinations
		poisoning treatment of poisoning.	poisoning t poisor	ning		
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 ar cardiac ma nursing p during mass	assage and rocedures cardiac	Giving a lecture and using explanations	Examinations
131	Course	Evaluation				
		e score out of 100 acco	rding to the	tasks assig	med to the stude	nt such as dailu
	-	ily oral, monthly, or w	-	-		in such as ually
<u> </u>				s, reports .		
132.	Leamin	g and Teaching Res	ources	Principles	of practical nursi	ng
Required textbooks (curricular books, if any)				foundations/Nazira Hussein of nursing phaeladelphia		
Main references (sources)				Salwa Ab Foundatio Education	bas - Principles of ons - Ministry of F Foundation 1995 Fuerst fundament	Health - Health
Recommended books and references (scientific journals, reports)			(scientific	Ahlam Fa Nursing -	rag, Elham Amin Ministry of Hi Research - 2986	- Basic Principl
		ences, Websites				

133	133. Course Name:										
	General Anatomy 2										
134	134.Course Code:										
135. Semester / Year:											
Semester second / 1 <sup>st</sup> year											
136. Description Preparation Date:											
2024/ 2/24											
137	7	Available Attendance	e Forms:								
		Direct									
138	3. I	Number of Credit Ho	ours (Total) / Number	r of Units (Tota	al)						
		ours / 4 units	(								
139			name (mention all, if	more than one	name)						
		Azhar Aziz Bahidh									
	Email:	Azhar.bahidh@atu	.edu.ia								
140		Course Objectives									
	Objectiv	J	The students at the end of	the Academic Yea	ar will have the						
	Ū		ze all the parts of the huma	an body anatomical	lly .						
		•Special Goals : Th	ne students will be able to	:							
		•He can correlate	between the functions and	I the anatomy of e	ach part of the						
		body.									
		•He can assist the	medical doctor in diagno	osis and treatment	in some way,						
		primarily and sim	ply as necessary .								
141		Feaching and Learning									
Strateg			modern presentation met	thods, such as usi	ng the anatomy at						
		program	• .1 1•. 0.1 1 .	6 1 1	. 1, 1						
		rect questions, transferr	ing the reality of the lect	ture from the theo	bretical to the						
	-		groups to discuss specifi	ic topics							
142.C		tructure									
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation						
		Outcomes	name	method	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 thorax (superficial and deep.) Giving a lecture									
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 ventricles o		Giving a lecture and using explanations	Examinations
5	2	Peripheral nervous system, cranial nerves numbers and functions	Periphera system , cra and nu f	inial nerves	Giving a lecture and using explanations	Examinations
6	2	Spinal nerves		nerves	Giving a lecture and using explanations	Examinatio
7	2	Autonomic nervous system , parts and functions	Autonomi system , j funct	parts and	Giving a lecture and using explanations	Examinations
8	2	Digestive system	Digestive s mouth a accessor Pharynx oe stom	and ries sophagus ,	Giving a lecture and using explanations	Examinations
9	2	Cardio- vascular system, Blood vessels in general	Cardio- system, Blo in get	vascular ood vessels	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		aorta and its iches	Giving a lecture and using explanations	Examinations
13	2	Veins of the systemic circulation , veins of the lower limb , veins of the abdomen	circulation the lower l	ne systemic n, veins of imb, veins bdomen	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 neck , appli veins and pulmonary o	ed points , arteries ,	Giving a lecture and using explanations	Examinations
15	2	Lymphatic system and respiratory system	Lymphatic s respirator	•	Giving a lecture and using explanations	Examinations
		Evaluation				
prepar	ation, da	e score out of 100 acco aily oral, monthly, or w ag and Teaching Res	ritten exam	-		nt such as daily
		oks (curricular books, if			of anatomy, Di	r. Hani T. Al-
-		(sources)	-	Principle of	<sup>a</sup> edition , 1988. of anatomy , Dr. Raheim & Dr. A	
journal	s, reports	•	(scientific	Ba	sic anatomy	
Electro	nic Refei	rences, Websites		W	WW.MEDSCAP	E.COM

145. Course Name:										
Physiology 2										
146. Course Code:										
147.	Se	mester / Year:								
Semester second / 1 <sup>st</sup> year										
148. Description Preparation Date:										
2024/2/24										
149. Available Attendance Forms:										
Direct										
150.	Nu	mber of Credit Hou	rs (Total) / Number	of Units (Tota	al)					
		rs / 4 units	× /	× ×	/					
151		ourse administrato	's name (mention	all, if more th	nan one					
	ame)			,						
	/	frah Abdel Wahed								
		w.afrh@atu.edu.iq								
152.		urse Objectives								
	bjectives		is able to know physic	logy of human h	ody					
	U U		nd functions)	iogy of namuli c	ouj					
		,	is able to done more cl	inical examinati	on that					
			h physiology		on that					
153.	Te	aching and Learning	Strategies							
Strategy		• Direct questions	us alitary a fith a la atoma fu		1 to the muset col					
			reality of the lecture fro ents into groups to disc							
154 Co	urse Str		ents into groups to dise							
Week	Hours	154. Course Structure								
		Required Learning	Unit or subject	Learning	Evaluation					
		Required Learning Outcomes	Unit or subject name	Learning method						
		Outcomes	name	<b>method</b> Giving a	Evaluation					
1	2	Outcomes Digestive system –	name Digestive system –	method Giving a lecture and	Evaluation					
1	2	Outcomes	name	method Giving a lecture and using	Evaluation method					
1	2	Outcomes Digestive system –	name Digestive system –	method Giving a lecture and	Evaluation method					
		Outcomes Digestive system – Parts of it. Stages of digestion ( Oral , Stomach ,	name Digestive system – Parts of it. Stages of digestion ( Oral , Stomach ,	method Giving a lecture and using explanations Giving a lecture and	<b>Evaluation</b> <b>method</b> Examinations					
1	2	Outcomes Digestive system – Parts of it. Stages of digestion ( Oral , Stomach , Intestine). and	name         Digestive system –         Parts of it.         Stages of digestion (         Oral , Stomach ,         Intestine). and	method Giving a lecture and using explanations Giving a lecture and using	Evaluation method					
		Outcomes Digestive system – Parts of it. Stages of digestion ( Oral , Stomach ,	name Digestive system – Parts of it. Stages of digestion ( Oral , Stomach ,	method Giving a lecture and using explanations Giving a lecture and using explanations	<b>Evaluation</b> <b>method</b> Examinations					
2	2	Outcomes Digestive system – Parts of it. Stages of digestion ( Oral , Stomach , Intestine). and	name         Digestive system –         Parts of it.         Stages of digestion (         Oral , Stomach ,         Intestine). and	method Giving a lecture and using explanations Giving a lecture and using	Evaluation method Examinations Examinations					
		Outcomes Digestive system – Parts of it. Stages of digestion ( Oral , Stomach , Intestine). and digestives enzymes.	name Digestive system – Parts of it. Stages of digestion ( Oral , Stomach , Intestine). and digestives enzymes.	method Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and using	<b>Evaluation</b> <b>method</b> Examinations					
2	2	Outcomes Digestive system – Parts of it. Stages of digestion ( Oral , Stomach , Intestine). and digestives enzymes. Intestinal functions and absorption.	name         Digestive system –         Parts of it.         Stages of digestion (         Oral , Stomach ,         Intestine). and         digestives enzymes.         Intestinal functions         and absorption.	method Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and	Evaluation method Examinations Examinations					
2	2	Outcomes Digestive system – Parts of it. Stages of digestion ( Oral , Stomach , Intestine). and digestives enzymes. Intestinal functions and absorption. Digestive system	name         Digestive system –         Parts of it.         Stages of digestion (         Oral , Stomach ,         Intestine). and         digestives enzymes.         Intestinal functions         and absorption.         Digestive system	methodGiving alecture andusingexplanationsGiving alecture andusingexplanationsGiving alecture andusingexplanationsGiving alecture andusingexplanationsGiving alecture andusingexplanationsGiving a	Evaluation method Examinations Examinations					
2	2	Outcomes Digestive system – Parts of it. Stages of digestion ( Oral , Stomach , Intestine). and digestives enzymes. Intestinal functions and absorption. Digestive system glands (salivary glands	name         Digestive system –         Parts of it.         Stages of digestion (         Oral , Stomach ,         Intestine). and         digestives enzymes.         Intestinal functions         and absorption.         Digestive system         glands (salivary         glands , pancreas-	method Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and	Evaluation method Examinations Examinations					
2	2	Outcomes Digestive system – Parts of it. Stages of digestion ( Oral , Stomach , Intestine). and digestives enzymes. Intestinal functions and absorption. Digestive system	name         Digestive system –         Parts of it.         Stages of digestion (         Oral , Stomach ,         Intestine). and         digestives enzymes.         Intestinal functions         and absorption.         Digestive system         glands (salivary	methodGiving alecture andusingexplanationsGiving alecture andusingexplanationsGiving alecture andusingexplanationsGiving alecture andusingexplanationsGiving alecture andusingexplanationsGiving a	Evaluation method Examinations Examinations Examinations					

5     2     Structures and functions     Structures and functions     Structures and functions     Iecture and using explanations       6     1     1     1     1       6     1     1     1     1       7     1     1     1     1       8     1     1     1     1       9     1     1     1     1       9     1     1     1     1						1	
6       2       Stool formation       Stool formation       and using explanations       Examination         7&8       2       Nervous system – structure – functions Central nervous system       Nervous system – structure – functions Central nervous system       Giving a lecture and using explanations       Examinations         9       2       The brain and spinal cord       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	5	2	structures and	structur	es and	using explanations	Examinations
7&8       2       structure – functions Central 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       The tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc       Examinations         156. Learning and Teaching Resources       Required textbooks (curricular books, if any)       Main references (sources)       Sunders, Philadelphia.USA. Bipin Kumar. 2001. Human Physiology. Campus Book International, New Delhi	6	2	Stool formation	Stool fo	ormation	and using	Examination
9       2       The brain and spinal cord       The brain and spinal cord       Iecture 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)       Endocrine glands (types and functions)       Giving a lecture and lecture and using explanations       Examinations         14&15       2       Reproductive system (male and female) structure and functions       Reproductive system functions       Giving a lecture and lecture and using explanations       Examinations         155. Course Evaluation       Structure and functions       Reproductive system functions       Giving a lecture and lecture and using explanations       Examinations         155. Learning and Teaching Resources       Equivalent textbooks (curricular books, if any)       Main references (sources)       Ecomes condition       Ecomes condition         Recommended books and references (sources)       Giving a lecture and physiology. 11th Edition. Saunders, Philadelphia. USA. Bipin Kumar. 2001. Human Physiology. Campus Book International, New Delhi       Ecomes condition	7&8	2	structure – functions Central nervous system –peripheral nervous	structure – functions Central nervous system –peripheral		lecture and using	Examinations
10&112which responsible for sense, movement, hearing, smell , taste ,sightwhich responsible for sense, movement, hearing, smell , taste ,sightChyng a lecture and using explanationsExaminations12&132Endocrine glands (types and functions(Endocrine glands (types and functions()Giving a lecture and using explanationsExaminations14&152Reproductive system (male and female) structure and functionsReproductive system (male and female) structure and functionsReproductive system (male and female) structure and functionsExaminations155. Course Evaluation100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etcExaminations156. Learning and Teaching ResourcesRequired textbooks (curricular books, if any)Main references (sources)Givyon, 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	9	2	—	_		lecture and using	Examinations
12&132Endocrine glands (types and functions( and functions()Endocrine glands (types and functions() (types and functions())Giving a lecture and using explanationsExaminations14&152Reproductive system (male and female) structure and functions)Reproductive system (male and female) structure and guing)Giving a lecture and using explanationsExaminations155. Course EvaluationStructure and functionsStructure and guing)IterationsExaminationsDistributing the score out of 100 according to the task assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etcT56. Learning and Teaching ResourcesRequired textbooks (curricular books, if anyMain references (sources)Main references (sources)Recommended books and references (scientific journals, reports)Giving a lecture and guisg explanationsSume task as a sign of Medical Physiology. 11th Edition. Saunders, Philadelphia. USA. Bipin Kumar. 2001. Human Physiology. Campus Book International, New Delhi	10&11	2	which responsible for sense, movement, hearing, smell , taste	which responsible for sense, movement, hearing, smell, taste		lecture and using	Examinations
14&152Reproductive system (male and female) structure and functionsReproductive system (male and female) structure and functionsGiving a lecture and using explanationsReproductive and using explanationsGiving a lecture and using explanationsReproductive and using explanationsReproductive and using explanationsReproductive and using explanationsReproductive and using explanationsGiving a lecture and using explanationsReproductive and explanationsReproductive and using explanationsReproductive and explanationsReproductive and explanationsReproductive and explanationsReproductive and explanationsReproductive and explanationsReproductive and explanationsReproductive and explanationsReproductive and 	12&13	2				lecture and 	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, reports etc         156. Learning and Teaching Resources         Required textbooks (curricular books, if any)         Main references (sources)         Recommended books and references (scientific journals, reports)         Guyton, A. C. and Hall, J. E. 2006. Textbook of Medical Physiology. 11th Edition. Saunders, Philadelphia. USA. Bipin Kumar. 2001. Human Physiology. Campus Book International, New Delhi	14&15	2	(male and female)	(male and structur	female) e and	Giving a lecture and using	Examinations
preparation, daily oral, monthly, or written exams, reports etc156. Learning and Teaching ResourcesRequired textbooks (curricular books, if any)Main references (sources)Main references (sources)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	155. C	ourse E	valuation				
156. Learning and Teaching Resources         Required textbooks (curricular books, if any)         Main references (sources)         Recommended books and references (scientific journals, reports)         Guyton, A. C. and Hall, J. E. 2006. Textbook of Medical Physiology. 11th Edition. Saunders, Philadelphia. USA. Bipin Kumar. 2001. Human Physiology. Campus Book International, New Delhi							nt such as daily
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					-		
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			<b>*</b>				
journals, reports) of Medical Physiology. 11th Edition. Saunders, Philadelphia. USA. Bipin Kumar. 2001. Human Physiology. Campus Book International, New Delhi	Main refe	erences (s	sources)				
Electronic References, Websites	journals,	reports	)	(scientific	of Medi Saunders, Bipin Ku	cal Physiology. Philadelphia. US umar. 2001. Hun	11th Edition. A. nan Physiology.
	Electroni	c Referen	nces, Websites				

- 157 C N										
157. Course Name:										
	Medical Microbiology 2									
158. Course Code:										
159. Semester / Year:										
Semester second / 1 <sup>st</sup> year										
160. Description Preparation Date:										
	2024	4/2/24								
161	. A	vailable	Attendance	e Forms:						
			Direct							
162	2. N	lumber o	of Credit Ho	ours (Total) / Number	of Units (Tota	al)				
	4 ho	urs / 4 u	nits							
163	3. C	course a	dministrat	or's name (mentior	all, if more tl	nan one				
	name)									
	Name: .	Athraa a	bul Ameer	Abudlrab						
	Email:	athraa.al	<u>bdulrab@a</u>	<u>tu.edu.iq</u>						
164	4. C	Course Ol	bjectives							
Course	Objective	es	General ob	•						
				ll be able to know a simple						
			-	s (Bacteria, fungi, parasite	es and viruses), the	immunity and				
			disease pre							
			• Special ob							
			• Student wi		C 11 1 4	1.6.1.4				
			-	se some simple cases in his ielest is absent.	s field work, instea	id of specialest,				
				ests in the labs.						
				eserve and transport the pa	the enic samples					
			-	vice for disease prevention	• •					
165	5 Т	eaching		ng Strategies						
Strateg			questions							
			1	ality of the lecture from	the theoretical to	the practical				
			outing studen	ts into groups to discuss	specific topics					
	ourse St				-					
Week	Hours	—	d Learning	Unit or subject	Learning	Evaluation				
		Outcom		name	<b>method</b> Giving a lecture	method				
1 2 Blood flagellates,				Blood flagellates,	and using	Examinations				
Leisnmania Leisnmania explanations										
Sporozoa, Plasmodium, Giving a lecture										
2 2 Plasmodium, Toxoplasma Toxoplasma Examination Exam						Examinations				
			menthes,		Giving a lecture					
3	3 2 Taenia Helimenthes, Taenia. and using Examinations					Examinations				
	explanations									

Echinococcus Echinococcus Giving a lecture	
4 2 granulosis granulosis and using explanations	Examinations
52. Hymenolipes nana. Hymenolipes nanaGiving a lecture and using explanations	e Examinations
6 2 . Trematoda helminthes Trematoda helminthes. Giving a lecture explanations	e Examination
72Trepanoma ,SchistosomesGiving a lecture and using explanations	e Examinations
8 2 Bacterial genetics Bacterial genetics Giving a lecture and using explanations	e Examinations
9 2 Immunty and immune Immunty and immune and using explanations	e Examinations
102Antibody & antigenAntibody & antigenGiving a lecture and using explanations	Examinations
112Antibody & antigen reactions.Antibody & antigen reactions.Giving a lecture and using explanations	Examinations
122Hypersensitivity.Hypersensitivity.Giving a lecture and using explanations	e Examinations
132. Autoimmune diseases. Autoimmune diseasesGiving a lecture and using explanations	e Examinations
142Discussion of course materialDiscussion of course materialGiving a lecture and using 	e Examinations
152Discussion of course materialDiscussion of course materialGiving a lecture and using explanations	e Examinations
167. Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the stud	dent such as daily
preparation, daily oral, monthly, or written exams, reports etc	
168. Learning and Teaching Resources           Michael J. Leboffe. (20)	02). Microbiology:
Required textbooks (curricular books, if any)       Laboratory Theory & Applie         Edition	cation, Brief 3e 3rd
Main references (sources)       Subhash Chandra Parija.         Microbiology and Immun       Elsevie	
	Seema Bhadauria. 2010.
journals, reports)	

1.00				-								
169		ourse Name:										
		iostatic 2										
170	. Course Code:											
171	l. S	emester	· / Year:									
	Seme	ster seco	ond / 1 <sup>st</sup> year	r								
172	2. D	escripti	on Prepara	tion Date:								
	2024	4/2/24										
173. Available Attendance Forms:												
			Direct									
174	4. N	lumber o	of Credit Ho	ours (Total) / Numbe	r of Units (Tota	al)						
	2 ho	urs / 2 u	inits									
17	5. C	ourse a	dministrat	or's name (mentio	n all, if more tl	han one						
	name)			Υ.								
	Name:	Mayser	ilan Abaas									
		5		w@atu.edu.iq								
176			bjectives	*								
Course	Objective		•	th statistical data								
			• Dealing wi	th and knowing statistica	l and health metrics	5						
			• Organizing	the statistical form and h	ealth form related to	daily incidents						
			such as b	irths, deaths, and diseases	5							
177	7. T	eaching	and Learnin	ng Strategies								
Strateg	у		questions									
			-	lity of the lecture from		the practical						
170 0	C.		outing student	ts into groups to discuss	s specific topics							
	ourse St		J T	TI	T	E						
Week	Hours	Outcom	d Learning	Unit or subject name	Learning method	Evaluation method						
			fic research	Scientific research (the	methou	memou						
		(the pu	pose 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							
		<u> </u>		▲ · · · · ·	Giving a lecture							
3	2		of scientific	Ethics of scientific research	and using	Examinations						
	research research explanations											
4	2		ucture of	Structure of scientific	Giving a lecture and using	Examinations						
-	2	scient	ific research	research	explanations	LAammations						
Types of statistical Types of statistical Giving a lecture												
5	2	• •	udies	studies	and using	Examinations						
		Basice	of research	Basics of research	explanations							
70_1			cal method)	(statistical method)	Giving a lecture	Examinations						
7&6	2	-Data	collection	-Data collection	and using Examination	Examinations						
1		tech	nology	technology	Piuliutions							

		· · · · · · · · · · · · · · · · · · ·			1	r
		-Data collection plan	-Data colle			
		-data analysis	-data ar Teating a	•		
		-Testing and ethical considerations	-Testing a conside			
					Giving a lecture	
8&9&10	2	Preparing a questionnaire form	question	aring a naire form	and using explanations	Examinatio
11	2	How to transcribe questionnaires and convert them into classified statistical data	How to the question of the convert the classified data data data data data data data da	aires and hem into statistical	Giving a lecture and using explanations	Examinations
13&12	2	How to start scientific research (choosing the title, objectives, type of samples)	How to star research (cl title, objecti sam	noosing the ves, type of	Giving a lecture and using explanations	Examinations
14&15	2	Some applications used in scientific research	Some applic in scientifi		Giving a lecture and using explanations	Examinations
179.	Course	Evaluation				
	0	e score out of 100 accou ily oral, monthly, or wi	0			nt such as daily
<u> </u>		g and Teaching Reso		<b>^</b>		
Require	d textbo	oks (curricular books, if	any)	statistics a	aker Al-Rubaie and its uses in the inistry of Health	field of public
Main re	ferences	(sources)		Biostatisti	d Hill. Fundamen cs 1975 tte -Fundamental i	
Recomm	nended	books and references	(scientific	•	N and F. massey _	
journals	s, reports	)			Analysis oel _ Introduction	to mathematica
				statistics.		
Electror	nic Refer	ences, Websites				

0					
		•			
2. C	ourse Co	ode:			
3. S	emester	/ Year:			
Seme	ster seco	nd / 1 <sup>st</sup> yea	r		
I. D	escriptio	on Prepara	tion Date:		
2024	4/2/24				
5. A	vailable	Attendance	e Forms:		
		Direct			
5. N	lumber o		ours (Total) / Numbe	r of Units (Tota	a1)
					() ()
	/		or's name (mention	all if more t	han one
		ummotiat			
/	Dogg abi	id Jaythaa	m		
			<u>u.euu.ių</u>		
		0	nt knows what aliniaal	homistry is its n	ringinlag and its
Objective	-9			fileniisu y is, its p	incipies and its
		-		nents in the huma	an body in the
			•• ••• •••• ••••• ••••••		
) Т	eaching	•	ng Strategies		
			<u> </u>	scientific metho	ds in presenting
,					
		· /	on of theoretical vocabu	lary	
	3. Practi	cal training i	n hospitals		
ourse St	ructure				
Hours	-	U	Unit or subject	Learning	Evaluation
			name		method
2	•••	• •		U U	Examinations
2	0.				Examinations
		•	Proteins - protein		
			structure - amino acids -	~	
2				-	Eveningtions
2			actus - union or amino	and using	Examinations
2			acids to form protein -		
2	acids to fo	orm protein - ond - Zwitter	acids to form protein - peptide bond - Zwitter	explanations	
2	acids to fo peptide bo i	orm protein - ond - Zwitter on.	peptide bond - Zwitter ion.		
	acids to fo peptide bo i	orm protein - ond - Zwitter on. sification of	peptide bond - Zwitter ion. . Classification of		
	acids to for peptide bo i . Class prote	orm protein - ond - Zwitter on. sification of eins in the	peptide bond - Zwitter ion. . Classification of proteins in the human	explanations	
	acids to fo peptide bo i . Class prote hum	orm protein - ond - Zwitter on. sification of eins in the an body -	peptide bond - Zwitter ion. . Classification of proteins in the human body - insoluble	explanations Giving a lecture	Examinations
2	acids to fo peptide bo i . Class prote hum insolub	orm protein - ond - Zwitter on. sification of eins in the an body - le proteins -	peptide bond - Zwitter ion. . Classification of proteins in the human	explanations	Examinations
	acids to fo peptide bo i . Class prote hum insolub solubl	orm protein - ond - Zwitter on. sification of eins in the an body -	peptide bond - Zwitter ion. . Classification of proteins in the human body - insoluble proteins - soluble	explanations Giving a lecture and using	Examinations
	Clin 2. C 3. S Seme 4. D 2024 5. A 5. A 6. N 4 hour 7. C name) Name: 1 Email: 1 8. C Objective 0. T 9. T 9. T 9. T	Clinical Che2.Course Co3.Semester seco3.Semester seco4.Description2024/2/24Available5.Available6.Number on4 hours / 4 u7.Course aname)Name: Roaa abuEmail: Roaa.jay8.Course ObObjectives9.Teaching a9.1. Theorlectures2.Practi3.Practi0.Triglycer0.Triglycer0.Triglycer0.Triglycer0.Triglycer0.Triglycer0.Triglycer0.Triglycer0.Triglycer0.Triglycer1.Theor1.Required0.Triglycer2of triglycer2of triglycer2of triglycer2of triglycer1.Protein1.Structure -2of triglycer2of triglycer3Protein3Structure -2Structure -3Protein3Structure -4Structure -5Structure -5Structure -5Structure -5Structure -5Structure -5Structure -5Structure -6	Clinical Chemistry 22.Course Code:3.Semester Code:3.Semester second / 1st yea4.Description Prepara2024/2/245.Available Attendance2024/2/245.Available Attendance5.Number of Credit Ho4 hours / 4 units7.Course administratname)Name: Roaa abud JaythooEmail: Roaa.jaythoom@at3.Course Objectives0.Teaching and Learnin2.1. Theoretical lecturelectures (data show)2.Practical applicatio3.Practical applicatio3.Practical applicatio3.Practical significance.2Ottomes2Triglycerides - types3Proteins - proteinstructure - amino acids- properties of amino	Clinical Chemistry 2         2.       Course Code:         3.       Semester / Year:         Semester second / 1 <sup>st</sup> year         4.       Description Preparation Date:         2024/2/24         5.       Available Attendance Forms:         Direct         5.       Number of Credit Hours (Total) / Number         4 hours / 4 units         7.       Course administrator's name (mentior         name)         Name: Roaa abud Jaythoom         Email: Roaa.jaythoom@atu.edu.iq         3.       Course Objectives         0bjectives       1) The student knows what clinical of importance in the field of medicine.         2) It measures the chemical compor laboratory.       2.         0.       Teaching and Learning Strategies         w       1. Theoretical lectures and the use of modern lectures (data show)         2. Practical application of theoretical vocabu         3. Practical training in hospitals         ourse Structure         Hours       Required Learning Outcomes         2       Triglycerides - types of triglycerides - their clinical significance.         2       Triglycerides - types of triglycerides - their clinical significance.         2       Troteins - protein structure - amino acids - properties of	Clinical Chemistry 2         2. Course Code:         3. Semester / Year:         Semester second / 1 <sup>st</sup> year         4. Description Preparation Date:         2024/2/24         5. Available Attendance Forms:         Direct         5. Number of Credit Hours (Total) / Number of Units (Total 4 hours / 4 units         7. Course administrator's name (mention all, if more the name)         Name: Roaa abud Jaythoom         Email: Roaa.jaythoom@atu.edu.iq         8. Course Objectives         1) The student knows what clinical chemistry is, its p importance in the field of medicine.         2) It measures the chemical components in the huma laboratory.         0. Teaching and Learning Strategies         9. Teactical application of theoretical vocabulary         3. Practical significance.         2       Triglycerides - their clinical significance.         2       <

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

		Enzymes - Functions	•	Functions of										
		of enzymes in the		the body -										
		body - Classification		cation of										
		of enzymes - Factors	enzymes	- Factors										
		affecting the work of	affecting t	he work of										
		enzymes - The basic	enzymes -	The basic	Giving a lacture									
10	2	substance on which	substance o	n which the	Giving a lecture	Examinations								
10	2	2	2	2	2	2	2	2	Z	the enzyme works -	enzyme w	orks - How	and using	Examinations
		How does an enzyme	does an enz	zyme work -	explanations									
		work - GOT & GPT	GOT & GI	T enzymes										
		enzymes - Properties	- Proper	ties and										
		and function of each	function of	each and its										
		and its clinical	clinical ir	nportance										
		importance		1										
		Alkaline phosphatase	Alkaline p	hosphatase										
		and acid gosgatase -		josgatase -	Giving a lecture									
11	2	properties, functions	•	, functions	and using	Examinations								
		and clinical		linical	explanations									
		significance of each	significan	ce of each										
		Amylase and lipase -	Amylase a		Giving a lecture									
10	2	properties, functions	properties,		and using	Examinations								
12	2	and clinical	and cl		explanations	Examinations								
		significance of each	significant	ce of each	_									
		Vitamins - their		ns - their										
		classification - Vitamins	classif	ication -	Giving a lasture									
13	2	(A - B - C - D) their	Vitamins	(A - B - C -	Giving a lecture	Examinations								
15	2	respective functions - and		respective	and using explanations	Examinations								
		their sources	functions	- and their	explanations									
				irces										
		Hormones - nature of		s - nature of										
		hormones - their		es - their										
		functions - some	and their functions and the gland producing		Giving a lecture and using explanations	Examinations								
14	2	important hormones												
T-L	2	and their functions				LAummations								
		and the gland												
		producing each of	each o	of them										
		them												
		Introduction to PCR	Introductio											
		technique	technique (l		Giving a lecture									
15	2	(Polymerase chain	chain rea	,	and using	Examinations								
		reaction) - definition	definition -	importance	explanations									
		- importance - uses	- us	ses										
191.	Course	Evaluation												
istrib	uting the	e score out of 100 accor	rding to the	tasks assig	ned to the stude	nt such as dail								
	0	ily oral, monthly, or w	0											
		ig and Teaching Reso		, - F - 1 00 II										
174.	Loainn	is and reaching ites	Juices	Clinical	homistry/Mahar	ad Eath: Al								
					hemistry/Moham									
					echnical Educatio	•								
leanire	ed textbo	oks (curricular books, if	anv)		hemistry / Saeeba									
					man - Maysoon S									
				Technical	Education Autho	rity								

Main references (sources)	Clinical chemistry binding/Mohamed
	Ramzi Al-Omari/Technical Education
	Authority
Recommended books and references (scientific	Guyton, A. C. and Hall, J. E. 2006. Textbook of
journals, reports)	Medical Physiology. 11th Edition. Saunders,
5 / 1 /	Philadelphia. USA. –
	Bipin Kumar. 2001. Human Physiology.
	Campus Book International, New Delhi.
Electronic References, Websites	

193	3. C	ourse Name:			
С	ompute	r Applications 2			
194		ourse Code:			
195	5. S	emester / Year:			
	Seme	ester second / 1 <sup>st</sup> yea	ar		
196	5. D	escription Prepar	ation Date:		
	202	4/ 2/24			
197	7. A	vailable Attendanc	e Forms:		
		Direct			
198	8. N	Number of Credit H	ours (Total) / Numbe	r of Units (Tota	al)
	3 ho	urs / 3 units			
199	9. C	Course administra	tor's name (mentio	n all, if more t	han one
	name)		·		
	Name:	Ghdeer Ibrahem M	Iaki		
	Email:	ghdeer.maki.idi@a	<u>atu.edu.iq</u>		
200		Course Objectives			
Course	Objective		nt must be able to deal wi	·	amiliar with its
201			understand how to use its	software.	
201		eaching and Learning		in a section de	
Strateg	y	-	s using modern presentat ransferring the reality of		he theoretical to t
		practical	funsterring the reality of		
		1	nts into groups to discuss	s specific topics	
	ourse St			1	1
Week	Hours	Required Learning	-	Learning	Evaluation
		Outcomes Desktop main screen	name       Desktop main screen	method	method
		components desk top	components desk top		
		The concept of the	The concept of the		
	2	icon - Icon. How to	icon - Icon. How to	Giving a lecture	
1	2	deal with mouse	deal with mouse	and using	Examinations
		activities - The	activities - The	explanations	
		importance and components of the	importance and components of the		
		Task bar	Task bar		
L	1	Tush ou	Tush bui	1	
			52		

		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 adva additional 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 program t save, and drawings the commands in	o create, retrieve rough the	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 window and Pad in writ saving them them, print and chang printing s format	I the Word ing texts, , retrieving ing them, ing their tyle and	Giving a lecture and using explanations	Examinations
13&14	2	Learn how to get help and its different methods	Learn how t and its d meth	ifferent	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 How to get Their types and dealing through An available v Windows system env	infected - , treatment with them tti-Viruses within the operating	Giving a lecture and using explanations	Examinations
203.	Course	Evaluation				
Distrib prepara	uting the ation, da	e score out of 100 acco ily oral, monthly, or w	ritten exam	-		nt such as daily
		g and Teaching Res				
<b>.</b>		oks (curricular books, if (sources)	ally)			
		books and references	(scientific			
	s, reports					
	_	ences, Websites				

205	5. C	ourse N	ame:				
	Eng	lish Lar	guage				
206		ourse C					
207	7. S	emester	· / Year:				
	Seme	ster seco	ond/ 1 <sup>st</sup> year				
208	B. D	escripti	on Prepara	ation Date:			
	2024	4/2/24					
209	). A	vailable	Attendance	e Forms:			
			Direct				
210	). N	lumber o	of Credit Ho	ours (Total)	/ Number	of Units (Tota	al)
		urs / 1 u					
21		course a	dministrat	or's name	(mentior	all, if more th	han one
-	name)						
			ad hashim				
			<u>him@atu.e</u>	<u>du.iq</u>			
212			bjectives				
	Objective		•	~ •			
213		<u> </u>	and Learnin	<u> </u>		.1 1	
Strateg	y		ering lectures			on methods specific topics	
214.C	ourse St		suing studen	to into group		specific topics	
Week	Hours		d Learning	Unit or sub	oject	Learning	Evaluation
		Outcom	es	name	•	method	method
		Evaluati					
	-			-	-		ent such as daily
			onthly, or w		s, reports	etc	
		-	eaching Res		Academic	abilla	
-		(sources)	ulai books, li	i aliy)	Academic	581115	
		. ,	d references	(scientific			
	s, reports						
Electro	nic Refer	ences, We	ebsites				

- 017	7 0	OUNCO More	201	-		
217		ourse Nan				
010		rmacology				
218	s. C	ourse Cod	e:			
219		emester /				
	Seme	ester first / 2	2 <sup>nd</sup> year			
220	). D	escription	Prepar	ation Date:		
	202	4/2/24				
221	l. A	vailable A	ttendanc	e Forms:		
		D	irect			
222	2. N	Sumber of C	Credit H	ours (Total) / Number	of Units (Tota	1)
	4 ho	urs / 4 uni	ts			
223.	Course	administr	ator's n	ame (mention all, if r	more than or	e name)
				ammed Email: <u>raghda.m</u>		,
224		Course Obje				
Course	Objective			science of pharmacology		
	U			ctivity of drugs		
				rption and excretion of drug		
				and dosage form		
			• Toxic	cology, toxins, poisoning wit	h metals.	
225	5. Т	eaching an	d Learni	ng Strategies		
Strateg				the use of modern scientif	ic methods in pr	esenting lectures
	(data	ı show)				-
				heoretical vocabulary		
226.0		actical trainin	ng in hosp	oitals		
226.C	ourse St					
Week	Hours	Requi		Unit or subject name	Learning	Evaluation
WEEK	110015	Learn Outcoi	-	Unit of subject name	method	method
1	2	Introductio General defi pharmaco	on and nition of	Introduction and General definition of pharmacology (Pharmacology, Pharmacy, Pharmacist, Dose Concentration)	Giving a lecture and using explanations	Examinations
2,3 & 4	2	Infections	&drugs	Infections: -Antibacterial, antiviral, antifungal, ntiprotozoal, antihelmenthic drugs	Giving a lecture and using explanations	Examinations
5	2	Nutriti Electrol	ytes,	Nutritian: Vitanins parantreal Electrolytes, intravenous fluids nutritions,	Giving a lecture and using explanations	Examinations
6	2	Corticosteroi	ids 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 cardiac glycosides, Diuretics, Badrenoreceptors, blocking,	Giving a lecture and using explanations	Examination
10 & 11	2	Gastrointestinal tract drugs	Gastrointestinal tract drugs Antacids, antispasmodics , drugs , Heeling peptic and D. ulcer , Antidiarrhoeal, Laxatives, Rectal and colonic drugs, drug act , intestinal secretions	Giving a lecture and using explanations	Examinations
12 & 13	2	Respiratory system Bronchodilators, 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 hormone and anti androgens , anabolic steroide Hyperglycemia drugs, otherandocrine hyper lipidemia drugs.	Giving a lecture and using explanations	Examinations
		Evaluation			
	0		ording to the tasks assign vritten exams, reports		int such as dally
		ng and Teaching Real oks (curricular books,	Mycek, M .J. ; Harvey R.A. and Char		
any)			Ilustrated Reviews: Pharmacology.(2r phia New York . Laurence, D.R. ; Bennett , P.N. and B		
		(sources)	Laurence, D.R. ; Bennett , P.N. and B pharmacology. New York		
	fic journa	books and references als, reports) rences, Websites			

000		N					
229 M		ourse N					
		& Surge	•				
230	J. L	ourse Co	ode:				
001	1 0		/ 37				
231		emester					
			/2 <sup>nd</sup> year				
232			on Prepara	ation Date:			
		4/2/24	A 1	-			
233	3. A	vailable	Attendance	e Forms:			
			Direct				
234				ours (Total) / Numbe	r of Units (Tota	al)	
		urs / 6 u					
23		course a	administrat	or's name (mention	n all, if more tl	han one	
	name)						
			azaq Mahdi				
			di@atu.edu.io	1			
236			bjectives				
Course	Objective	es		The Student Will be able h	*		
			• 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				
			• The Student Will be able to measure blood pressure , pulse , Temperature .				
237	7 Т	aching		<u>^</u>			
Strateg			and Learning Strategies pretical lectures and the use of modern scientific methods in presenting				
Strates	3		(data show)	es and the use of modern	i scientific metho	us în presenting	
			(uala Show)				
			· ,	on of theoretical vocabu	lary		
		2. Pract 3. Pract	· ,		lary		
	ourse St	2. Pract 3. Pract	ical application ical training i	n hospitals	-		
238.C Week	ourse St Hours	2. Pract 3. Pract tructure Require	ical application ical training i d Learning	n hospitals Unit or subject	Learning	Evaluation	
		2. Pract 3. Pract ructure Require Outcom	ical application ical training i d Learning es	n hospitals Unit or subject name	Learning method	Evaluation method	
		2. Pract 3. Pract ructure Require Outcom Diphtheri	ical application ical training i d Learning	n hospitals Unit or subject	Learning		
Week	Hours	2. Pract 3. Pract ructure Require Outcom Diphtheri ) + He Su	ical application ical training i d Learning es ia ( Medicine ad injury ( rgery )	In hospitals Unit or subject name Diphtheria ( Medicine ) + Head injury ( Surgery )	Learning method Giving a lecture and using explanations	method	
Week	Hours 2	2. Pract 3. Pract ructure Require Outcom Diphtheri ) + He Su Whoopi	ical application ical training in d Learning es ia ( Medicine ad injury ( rgery ) ing Cough ,	In hospitals Unit or subject name Diphtheria ( Medicine ) + Head injury ( Surgery ) Whooping Cough ,	Learning method Giving a lecture and using explanations Giving a lecture	method Examinations	
Week	Hours	2. Pract 3. Pract ructure <b>Require</b> <b>Outcom</b> Diphtheri ) + He Sur Whoopi Mump	ical application ical training in d Learning es ia (Medicine ad injury ( rgery ) ing Cough , ps (M) +	In hospitals Unit or subject name Diphtheria ( Medicine ) + Head injury ( Surgery ) Whooping Cough , Mumps ( M ) +	Learning method Giving a lecture and using explanations Giving a lecture and using	method	
Week	Hours 2	2. Pract 3. Pract ructure Require Outcom Diphtheri ) + He Su Whoopi Mump Meninge	ical application ical training i d Learning es ia ( Medicine ad injury ( rgery ) ing Cough , ps ( M ) + eal injury (S)	In hospitals Unit or subject name Diphtheria ( Medicine ) + Head injury ( Surgery ) Whooping Cough , Mumps ( M ) + Meningeal injury (S)	Learning method Giving a lecture and using explanations Giving a lecture	method Examinations	
Week	Hours 2	2. Pract 3. Pract ructure Require Outcom Diphtheri ) + He Su Whoopi Mump Meninge	ical application ical training in d Learning es ia ( Medicine ad injury ( rgery ) ing Cough , os ( M ) + eal injury (S) id (M) + face	In hospitals Unit or subject name Diphtheria ( Medicine ) + Head injury ( Surgery ) Whooping Cough , Mumps ( M ) + Meningeal injury (S) Typhoid (M) + face	Learning method Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and using	method Examinations	
Week           1           2	Hours           2           2	2. Pract 3. Pract ructure Require Outcom Diphtheri ) + He Su Whoopi Mump Meninge Typhoi	ical application ical training in d Learning es ia ( Medicine ad injury ( rgery ) ing Cough , os ( M ) + ial injury (S) id (M) + face jury (S)	In hospitals Unit or subject name Diphtheria ( Medicine ) + Head injury ( Surgery ) Whooping Cough , Mumps ( M ) + Meningeal injury (S) Typhoid (M) + face injury (S)	Learning method Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture	method         Examinations         Examinations	
Week           1           2	Hours           2           2	2. Pract 3. Pract ructure Require Outcome Diphtheri ) + He Su Whoopi Mump Meninge Typhoi in	ical application ical training in d Learning es ia ( Medicine ad injury ( rgery ) ing Cough , os ( M ) + ial injury (S) id (M) + face jury (S) es, german	In hospitals Unit or subject name Diphtheria (Medicine ) + Head injury ( Surgery ) Whooping Cough , Mumps (M) + Meningeal injury (S) Typhoid (M) + face injury (S) Measles, german	Learning method Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and using	method         Examinations         Examinations	
Week           1           2           3	Hours           2           2           2           2	2. Pract 3. Pract ructure Require Outcome Diphtheri ) + He Su Whoopi Mump Meninge Typhoi in Measles	ical application ical training in d Learning es ia ( Medicine ad injury ( rgery ) ing Cough , os ( M ) + ial injury (S) id (M) + face jury (S)	In hospitals Unit or subject name Diphtheria (Medicine ) + Head injury ( Surgery ) Whooping Cough , Mumps ( M ) + Meningeal injury (S) Typhoid (M) + face injury (S) Measles, german Measles , small pox	Learning method Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture	method         Examinations         Examinations         Examinations	
Week           1           2	Hours           2           2	2. Pract 3. Pract ructure Require Outcom Diphtheri ) + He Su Whoopi Mump Meninge Typhoi in Measles (M) + su	ical application ical training in d Learning es ia (Medicine ad injury ( rgery) ing Cough , os (M) + eal injury (S) id (M) + face jury (S) es, german s ,small pox	In hospitals Unit or subject name Diphtheria (Medicine ) + Head injury ( Surgery ) Whooping Cough , Mumps (M) + Meningeal injury (S) Typhoid (M) + face injury (S) Measles, german Measles ,small pox (M) + surgical mouth	Learning method Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and using explanations	method         Examinations         Examinations	
Week           1           2           3	Hours           2           2           2           2	2. Pract 3. Pract <b>Require</b> <b>Outcom</b> Diphtheri ) + He Su Whoopi Mump Meninge Typhoi in Measles (M) + su	ical application ical training in d Learning es ia (Medicine ad injury ( rgery ) ing Cough , os (M) + sal injury (S) id (M) + face jury (S) es, german s ,small pox rgical mouth	In hospitals Unit or subject name Diphtheria (Medicine ) + Head injury ( Surgery ) Whooping Cough , Mumps (M) + Meningeal injury (S) Typhoid (M) + face injury (S) Measles, german Measles ,small pox (M) + surgical mouth (S),	Learning method Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture	method         Examinations         Examinations         Examinations	
Week           1           2           3	Hours           2           2           2           2	2. Pract 3. Pract <b>Required</b> <b>Outcome</b> Diphtheri ) + He Su Whoopi Mump Meninge Typhoi in Measles (M) + su	ical application ical training in d Learning es ia (Medicine ad injury ( rgery) ing Cough, os (M) + al injury (S) id (M) + face jury (S) es, german s, small pox rgical mouth (S),	In hospitals Unit or subject name Diphtheria (Medicine ) + Head injury ( Surgery ) Whooping Cough , Mumps (M) + Meningeal injury (S) Typhoid (M) + face injury (S) Measles, german Measles ,small pox (M) + surgical mouth	Learning method Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and using explanations Giving a lecture and using explanations	method         Examinations         Examinations         Examinations	

,						
5	2	Infection of mouth and tongue (M) +	Infection of tongue (M)		Giving a lecture and using	Examinations
		surgical tongue (S)	tongu	ie (S)	explanations	
6	2	Gastritis and pepticulcer (M) + gum ulcer (S)		d pepticulcer m ulcer (S)	Giving a lecture and using explanations	Examinations
7	2	Jaundice (M) + tonsillitis (S)	Jaundic tonsilli		Giving a lecture and using explanations	Examinations
8	2	Heart failure (M)) + esophagus ca. (S)	Heart failı esophagı		Giving a lecture and using explanations	Examinations
9 & 10	2	Myocardial infarction and angina (M)	Myocardia and ang		Giving a lecture and using explanations	Examinations
11		Ca. stomach , ca. intestine (S)	Ca. stoma intestin		Giving a lecture and using explanations	Examinations
12		Hypertension (M) + appendicitis (S)	Hypertension (M) + appendicitis (S)		Giving a lecture and using explanations	Examinations
13		Congenital heart disease (M) + intestinal obstruction (S)	Congeni disease (M) obstruc	+ intestinal	Giving a lecture and using explanations	Examinations
14		14 Pneumonia (M) + liver abscess (S)	14 Pneumo liver abs	. ,	Giving a lecture and using explanations	Examinations
15		Asthma (M) + liver injury (S	Asthma (I injur		Giving a lecture and using explanations	Examinations
239.	Course	Evaluation				
		e score out of 100 acco	rding to the	tasks assig	ned to the stude	nt such as daily
	0	ily oral, monthly, or w	0	0		ne such as aany
				o, reporto		
240. ]	Learnin	g and Teaching Res	ources		nternal medicine	specialist Dr.
Decri	d tor-th	alea (an mi an la cha a la ch	S amon)	2- Harriso	Khalidi ons by Davidson n text book of me	edicine by
Required textbooks (curricular books, if any)			Harrison 3-Clinical methods by Hatschison 2- Internal Surgical Nursing - Written by Fayza Boulos.		g - Written by	
M-:-	famer	(		1- Genera	l surgery by;Baily	and love
		(sources)	( ) ) )			
	nended s, reports	books and references	(scientific			
÷		) rences, Websites				
2100101						

		) Y			
241		ourse Name:			
		nmunity Health			
242	2. C	ourse Code:			
243	3. S	emester / Year:			
	Seme	ster first / 2 <sup>nd</sup> year			
244	4. D	escription Prepara	tion Date:		
	2024	4/2/24			
245	5. A	vailable Attendance	e Forms:		
		Direct			
246	5. N	Jumber of Credit Ho	ours (Total) / Number	r of Units (Tota	ul)
		urs / 5 units			-)
24		/	or's name (mentior	hall if more th	nan one
	name)				
	/	Anaam Mohammed	l Abdel Al-Hassan		
		abdel-hassan.dw@atu.edu.iq			
248		Course Objectives	L		
	Objective	J	ll be able to learn about	community health	1 concepts and
0000000	o »Juon	related techniq		community neuro	r concepts und
		-	dent will be able to:		
		-	t the components of publi	c health and health	education.
			to organize forms for pro		
		family registra	r.		
		• 3. To know the	importance of nutrition		
		• 4. To become fa	miliar with health inform	ation and standard	s of health and
		disease.			
249	Э. Т	eaching and Learnin	ng Strategies		
Strateg	y		es and the use of modern	n scientific method	ds in presenting
		lectures (data show)	n of the overtical we ask-1-		
		3. Practical applicatio	n of theoretical vocabula hospitals	u y	
250.C	ourse St	· · · · · · · · · · · · · · · · · · ·			
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
		Definition of health	Definition of health		
1	2	and disease: - Pathological causes	and disease: -	Giving a lecture	Examinations
1		The epidemiological	Pathological causes The epidemiological	and using explanations	L'Annihations
		triad	triad		
	_	- community Health	- community Health	Giving a lecture	
2,3&4	2	3- Maternal and	3- Maternal and	and using	Examinations
		childhood care	childhood care	explanations Giving a lecture	
5	2	4- Health education	4- Health education	and using	Examinations
				explanations	
	I			CAPIUIIUU0115	I

6	2	5- Nutrition		5- Nutrition	Giving a lecture and using explanations	Examinations
7&8	2	<ul> <li>6- Environmental health: Objectives of environmental health</li> <li>air pollution</li> <li>Water pollution</li> </ul>	healtl	vironmental n: Objectives of onmental health air pollution Water pollution	Giving a lecture and using explanations	Examinations
9&10	2	<ul> <li>7- Medical waste (classification, methods of handling, and method of disposal).</li> <li>8- Waste and its types</li> <li>- Disposal of liquid and solid waste</li> </ul>	(class of hay of dis 8- Wa	edical waste sification, methods ndling, and method sposal). aste and its types sposal of liquid and solid waste	and using explanations	Examination
11	2	9- The concept of disability A - People with physical disabilities B - The mentally disabled	disab A - P physi	e concept of ility eople with cal disabilities - The mentally disabled	Giving a lecture and using explanations	Examinations
12	2	10- Rehabilitation: - Meaning of rehabilitation - Types of rehabilitation	reha	Rehabilitation: - Meaning of bilitation - Types f rehabilitation	Giving a lecture and using explanations	Examinations
13	2	11- Control of infectious diseases (communicable diseases)	11- Control of infectious diseases (communicable diseases)		Giving a lecture and using explanations	Examinations
14	2	12- Non-communicable diseases	12- N	on-communicable diseases	Giving a lecture and using explanations	Examinations
15	2	<ul> <li>13 - Vital statistics</li> <li>The general method of health research.</li> <li>Births and deaths information</li> </ul>	- The of hea Bin	Tital statistics general method lth research. rths and deaths information	Giving a lecture and using explanations	Examinations
251.	Course	Evaluation				
		e score out of 100 accor	rding	to the tasks assig	ned to the stude	nt such as daily
		ily oral, monthly, or w			etc	
		g and Teaching Res		S		
		oks (curricular books, if	any)	1 Miniatura - 611	a alth Haalth O	and alt Cariel
Main re	eferences	(sources)		2012-2013 2- Public Health 3- Law No. 54 of the Public Health	ealth - Health Ov Law No. 89 of 19 f 2001 (Eighth An h Law) ion No. 29 of 198	981 mendment to
		books and referently, reports)	ences	<u> </u>		
		ences, Websites				

Health &Occupational Safety 1         Health &Occupational Safety 1         255. Semester / Year:         Semester first /2 <sup>ml</sup> year         256. Description Preparation Date:         2024/ 2/24         257. Available Attendance Forms:         Direct         258. Number of Credit Hours (Total) / Number of Units (Total)         5 hours / 5 units         259. Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed         Parameter of Credit Hours (Total) / Number of Units (Total)         260. Course Objectives         • At the end of the academic year, the student will be able to get acquainted with <ul> <li>the public</li> <li>Special health inspection programs and concepts -:- The student will be able to:</li> <li>• A - To become familiar with the foundations, rules and requirements for the success of the inspection process</li> <li>• B - To determine the health conditions and specifications that must be legally available in stores</li> <li>• Subject to health supervision</li> <li>261. Teaching and Learning Strategies</li> <li>Strategy</li> <li>1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</li> <li>2. Practical application of theoretical vocabulary</li> <li>3. Practical application of theoretical vocabulary</li> <li>3. Practical raphineation of theoretical vocabulary</li>       &lt;</ul>	250	) (	Sauraa Namaa							
254. Course Code:         255. Semester / Year: Semester first /2 <sup>ad</sup> year         256. Description Preparation Date: 2024/ 2/24         257. Available Attendance Forms: Direct         258. Number of Credit Hours (Total) / Number of Units (Total)         5 hours / 5 units         259. Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed Email: Doaa.mohammed@atu.edu.iq         260. Course Objectives         • At the end of the academic year, the student will be able to get acquainted with • the public         • A to become familiar with the foundations, rules and requirements for the success of the inspection programs and concepts -:- The student will be able to: • A - To become familiar with the foundations, rules and requirements for the success of the inspection process • B - To determine the health conditions and specifications that must be legally available in stores • Subject to health supervision         261. Teaching and Learning Strategies         1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary 3. Practical application of theoretical vocabulary	253			- 1						
255.       Semester / Year: Semester first /2 <sup>nd</sup> year         256.       Description Preparation Date: 2024/2/24         257.       Available Attendance Forms: Direct         258.       Number of Credit Hours (Total) / Number of Units (Total)         5 hours / 5 units       259.         259.       Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed Email: Doaa.mohammed@atu.edu.ig         260.       Course Objectives         Course Objectives       • At the end of the academic year, the student will be able to get acquainted with • the public • Special health inspection programs and concepts -:- The student will be able to: • A - To become familiar with the foundations, rules and requirements for the success of the inspection process • B - To determine the health conditions and specifications that must be legally available in stores • Subject to health supervision         261.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical application of theoretical vocabulary 3. Practical application of theoretical vocabulary 3. Practical application and theute of cocupational Health and safety and its goals       Evaluation method         1       2       Occupational Health and safety and its goals       Giving a lecture and using explanations	25			y 1						
Semester first /2 <sup>nd</sup> year         256.       Description Preparation Date:         2024/2/24         257.       Available Attendance Forms:         Direct         258.       Number of Credit Hours (Total) / Number of Units (Total)         5 hours / 5 units         259.       Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed @ atu.edu.iq         260.       Course Objectives         A the end of the academic year, the student will be able to get acquainted with <ul> <li>the public</li> <li>Special health inspection programs and concepts -:- The student will be able to:</li> <li>A t the end of the academic year, the student will be able to get acquainted with             <ul> <li>the public</li> <li>Special health inspection programs and concepts -:- The student will be able to:</li> <li>A - To become familiar with the foundations, rules and requirements for the success of the inspection process</li> <li>B - To determine the health conditions and specifications that must be legally available in stores</li> <li>Subject to health supervision</li> </ul> </li> <li>261. Teaching and Learning Strategies</li> <li>Strategy         <ul> <li>I. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</li> <li>Practical application of theoretical vocabulary</li> <li>Practical application of theoretical vocabulary</li> <li>Practical application of thoeretical vocabulary</li> <li>Practical application fe</li></ul></li></ul>	254	ł. (	Lourse Code:							
Semester first /2 <sup>nd</sup> year         256.       Description Preparation Date:         2024/2/24         257.       Available Attendance Forms:         Direct         258.       Number of Credit Hours (Total) / Number of Units (Total)         5 hours / 5 units         259.       Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed @ atu.edu.iq         260.       Course Objectives         A the end of the academic year, the student will be able to get acquainted with <ul> <li>the public</li> <li>Special health inspection programs and concepts -:- The student will be able to:</li> <li>A t the end of the academic year, the student will be able to get acquainted with             <ul> <li>the public</li> <li>Special health inspection programs and concepts -:- The student will be able to:</li> <li>A - To become familiar with the foundations, rules and requirements for the success of the inspection process</li> <li>B - To determine the health conditions and specifications that must be legally available in stores</li> <li>Subject to health supervision</li> </ul> </li> <li>261. Teaching and Learning Strategies</li> <li>Strategy         <ul> <li>I. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</li> <li>Practical application of theoretical vocabulary</li> <li>Practical application of theoretical vocabulary</li> <li>Practical application of thoeretical vocabulary</li> <li>Practical application fe</li></ul></li></ul>										
256.       Description Preparation Date:         2024/2/24         257.       Available Attendance Forms:         Direct         258.       Number of Credit Hours (Total) / Number of Units (Total)         5 hours / 5 units         259.       Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed         Email: Doaa.mohammed@atu.edu.iq         260.       Course Objectives         • At the end of the academic year, the student will be able to get acquainted with <ul> <li>the public</li> <li>Special health inspection programs and concepts -:- The student will be able to:</li> <li>• A - To become familiar with the foundations, rules and requirements for the success of the inspection process</li> <li>• B - To determine the health conditions and specifications that must be legally available in stores</li> <li>• Subject to health supervision</li> <li>261.</li> <li>Teaching and Learning Strategies</li> <li>Strategy</li> <li>1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</li> <li>2. Practical application of theoretical vocabulary</li> <li>3. Practical training in hospitals</li> <li>262. Course Structure</li> <li>Week</li> <li>Hours</li> <li>Required Learning</li> <li>Chapter One (Principles of Occupational Health and Safety The concept of of occupational Health and safety and its goals</li> <li>and safety of its goal</li> <li>Cocupational health and Occupational health</li> <li>Giving a lecture and using explanations</li> <li>and safety and its goals</li> <li>Cocup</li></ul>	255		1							
2024/ 2/24         257. Available Attendance Forms: Direct         Direct         258. Number of Credit Hours (Total) / Number of Units (Total)         5 hours / 5 units         259. Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed         Email: Doaa.mohammed@atu.edu.iq         260. Course Objectives         • At the end of the academic year, the student will be able to get acquainted with         • the public         • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         261. Teaching and Learning Strategies         Strategy         1       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         Course Structure         Week         Hours       Required Learning Outcomes       Chapter One (Principles of Occupational Health and Safety		Seme	ester first /2 <sup>nd</sup> year							
257. Available Attendance Forms: Direct         Direct         258. Number of Credit Hours (Total) / Number of Units (Total)         5 hours / 5 units         259. Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed         Email: Doaa.mohammed@atu.edu.iq         260. Course Objectives         At the end of the academic year, the student will be able to get acquainted with         • the public         • Special health inspection programs and concepts -:- The student will be able to:         • A 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 the end of the academic year, the student will be able to get acquainted with         • the public         • Special health inspection process         • B · To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         261. Teaching and Learning Narategies         Strategy         1       1. Theoretical lectures and the use of modern scientific methods in presenting lectures	256	5. I	Description Preparat	tion Date:						
Direct           258. Number of Credit Hours (Total) / Number of Units (Total)           5 hours / 5 units           259. Course administrator's name (mention all, if more than one name)           Name: Doaa Yousif Mohammed           Email: Doaa.mohammed@atu.edu.iq           260. Course Objectives           Course Objectives           Course Objectives           At the end of the academic year, the student will be able to get acquainted with <ul> <li>the public</li> <li>Special health inspection programs and concepts -:- The student will be able to:</li> <li>A - To become familiar with the foundations, rules and requirements for the success of the inspection process</li> <li>B - To determine the health conditions and specifications that must be legally available in stores</li> <li>Subject to health supervision</li> </ul> 261. 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 application of theoretical vocabulary		202	4/2/24							
258.       Number of Credit Hours (Total) / Number of Units (Total)         5 hours / 5 units         259.       Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed Email: Doa.mohammed@atu.edu.iq         260.       Course Objectives         Course Objectives <ul> <li>At the end of the academic year, the student will be able to get acquainted with</li> <li>the public</li> <li>Special health inspection programs and concepts -:- The student will be able to:</li> <li>A - To become familiar with the foundations, rules and requirements for the success of the inspection process</li> <li>B - To determine the health conditions and specifications that must be legally available in stores</li> <li>Subject to health supervision</li> <li>261.</li> <li>Teaching and Learning Strategies</li> <li>Strategy</li> <li>1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</li> <li>2. Practical training in hospitals</li> <li>262.Course Structure</li> <li>Week Hours Required Learning Outcomes</li> <li>Occupational Health and Safety) The concept of occupational Health and safety and its goals</li> <li>Questional health and safety and its goals</li> <li>2 Occupational health and Safety and its goals</li> <li>2 Occupational health and Occupational health Giving a Examinations</li> <li>Examinations</li> <li>Examinations</li> <li>Examinations</li> <li>Examinations</li> <li>Cocupational health and Occupational health Giving a Examinations</li> <li>Examinations</li> <li>Descrite of one procession of the safety and its goals</li> <li>Descrite of occupational health and safety and its goals</li></ul>	257	7. A	Available Attendance	Forms:						
258.       Number of Credit Hours (Total) / Number of Units (Total)         5 hours / 5 units         259.       Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed Email: Doa.mohammed@atu.edu.iq         260.       Course Objectives         Course Objectives <ul> <li>At the end of the academic year, the student will be able to get acquainted with</li> <li>the public</li> <li>Special health inspection programs and concepts -:- The student will be able to:</li> <li>A - To become familiar with the foundations, rules and requirements for the success of the inspection process</li> <li>B - To determine the health conditions and specifications that must be legally available in stores</li> <li>Subject to health supervision</li> <li>261.</li> <li>Teaching and Learning Strategies</li> <li>Strategy</li> <li>1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</li> <li>2. Practical training in hospitals</li> <li>262.Course Structure</li> <li>Week Hours Required Learning Outcomes</li> <li>Occupational Health and Safety) The concept of occupational Health and safety and its goals</li> <li>Questional health and safety and its goals</li> <li>2 Occupational health and Safety and its goals</li> <li>2 Occupational health and Occupational health Giving a Examinations</li> <li>Examinations</li> <li>Examinations</li> <li>Examinations</li> <li>Examinations</li> <li>Cocupational health and Occupational health Giving a Examinations</li> <li>Examinations</li> <li>Descrite of one procession of the safety and its goals</li> <li>Descrite of occupational health and safety and its goals</li></ul>			Direct							
5 hours / 5 units         259. Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed         Email: Doaa.mohammed@atu.edu.iq         260. Course Objectives         Course Objectives         • At the end of the academic year, the student will be able to get acquainted with         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process       • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision       261. Teaching and Learning Strategies       I. 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       Evaluation method         Course Structure         Week Hours       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 and its goals       Giving a lecture and using explanations and safety and its goals       Examinations	258	8. N		urs (Total) / Number	of Units (Tota	1)				
259. Course administrator's name (mention all, if more than one name)         Name: Doaa Yousif Mohammed         Name: Doaa Yousif Mohammed         Email: Doaa.mohammed@atu.edu.iq         260. Course Objectives         • At the end of the academic year, the student will be able to get acquainted with         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process       • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision       261. Teaching and Learning Strategies         Strategy         1       Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary         3. Practical application of theoretical vocabulary         3. Practical application of cocupational Health and Safety) The concept of occupational Health and Safety) The concept of occupational health and safety and its goals       Giving a lecture and using explanations         1       2       Occupational health and       Occupational health and Safety and its goals       Giving a lecture and using explanations										
name)         Name: Doaa Yousif Mohammed         Email: Doaa.mohammed@atu.edu.iq         260. Course Objectives         Course Objectives         At the end of the academic year, the student will be able to get acquainted with <ul> <li>the public</li> <li>Special health inspection programs and concepts -:- The student will be able to:             <li>A - To become familiar with the foundations, rules and requirements for the success of the inspection process</li> <li>B - To determine the health conditions and specifications that must be legally available in stores             <ul> <li>B - To determine the health conditions and specifications that must be legally available in stores</li> <li>Subject to health supervision</li> </ul>            261. Teaching and Learning Strategies           Strategy           I. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)           2. Practical application of theoretical vocabulary               3. Practical application of theoretical vocabulary               3. Practical application of theoretical vocabulary               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 and its goals          Chapter One</li></li></ul>	25		1	or's name (mention	all if more th					
Name: Doaa Yousif Mohammed         Email: Doaa.mohammed@atu.edu.iq         260. Course Objectives         • At the end of the academic year, the student will be able to get acquainted with <ul> <li>• At the end of the academic year, the student will be able to get acquainted with             <ul></ul></li></ul>	-									
Email: Doaa.mohammed@atu.edu.iq         260. Course Objectives         • At the end of the academic year, the student will be able to get acquainted with         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process       • B - To determine the health conditions and specifications that must be legally available in stores         261. Teaching and Learning Strategies         Strategy         I. Theoretical application of theoretical vocabulary         3. Practical application of theoretical vocabulary       3. Practical application of theoretical vocabulary       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 and its goals       Giving a lexit and safety and its goals         2       2       Occupational health and       Occupational health and safety and its goals       Examinations		/	Doog Vougif Moham	mad						
260. Course Objectives         • At the end of the academic year, the student will be able to get acquainted with         • At the end of the academic year, the student will be able to get acquainted with         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process       • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision       261. Teaching and Learning Strategies         Strategy         1       The oretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical application of theoretical vocabulary         3. Practical application of theoretical vocabulary       3. Practical training in hospitals         262. Course Structure         Week         Hours       Required Learning Outcomes         Chapter One (Principles of Occupational Health and Safety) The concept of occupational health and Safety and its goals       Giving a lecture and using explanations         1       2       Occupational health and occupational health       Giving a										
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acquainted with       • the public         • 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         • B - To determine the health conditions and specifications that must be legally available in stores       • Subject to health supervision         261.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical application of theoretical vocabulary         3. Practical application of theoretical vocabulary       3. Practical training in hospitals         262. Curse Structure       Chapter One (Principles of Occupational Health and Safety) The concept of occupational Health and Safety) The concept of occupational Health and Safety) The concept of occupational health and safety and its goals       Examinations         1       2       Occupational health and       Occupational health and safety and its goals       Examinations					. 1	11				
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261.       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         262.       Curves Structure         Vertex Structure         Chapter One (Principles of Occupational Health and Safety) The concept of occupational health and safety and its goals         1       2       Occupational health and       Occupational health and Safety and its goals       Evaluation given and safety and its goals			-	nspection programs and	l concents -·- Th	e student will				
<ul> <li>A - To become familiar with the foundations, rules and requirements for the success of the inspection process         <ul> <li>B - To determine the health conditions and specifications that must be legally available in stores             <ul></ul></li></ul></li></ul>			-	inspection programs and						
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       • Subject to health supervision         261. Teaching and Learning Strategies         Strategies         Strategies         Strategies         Strategies         Strategies         1. Theoretical lectures and the use of modern scientific methols in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical training in hospitals         2. Practical training in hospitals         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 and its goals         Cocupational health and safety and its goals         Chapter One (Principles of Occupational health and safety and its goals         Chapter One (Principles of Occupational health and safety and its goals         Occupational health and safety and its goals				familiar with the found	ations, rules and	requirements				
<ul> <li>B - To determine the health conditions and specifications that must be legally available in stores         <ul> <li>Subject to health supervision</li> </ul> </li> <li>261. Teaching and Learning Strategies</li> <li>Strategy         <ul> <li>I. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</li> <li>2. Practical application of theoretical vocabulary</li> <li>3. Practical training in hospitals</li> </ul> </li> <li>262. Curse Structure         <ul> <li>Week</li> <li>Hours</li> <li>Required Learning Outcomes</li> <li>Outcomes</li> <li>Difference (Principles of Occupational Health and Safety) The concept of occupational health and safety and its goals</li> <li>Chapter One (Principles of Occupational health and safety and its goals</li> <li>Cocupational health and safety and its goals</li> <li>Cocupational health and safety and its goals</li> <li>Cocupational health and Safety and its goals</li> </ul> </li> </ul>					,	1				
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2. Practical application of theoretical vocabulary 3. Practical training in hospitals         262.Curse Surverse Surverse       Unit or subject name       Learning method       Evaluation method         1       2       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       Examinations         2       2       Occupational health and occupational health       Occupational health and occupational health       Giving a lecture and using explanations       Examinations	Strateg	y	1. Theoretical lectu	res and the use of mode	rn scientific met	hods in presenting				
3. Practical training in hospitals         262. Course Structure         Week       Hours       Required Learning Outcomes       Unit or subject name       Learning method       Evaluation method         1       2       Chapter One (Principles of Occupational Health and Safety) The concept of occupational health and safety and its goals       Chapter One (Principles of Occupational Health and Safety) The concept of occupational health and safety and its goals       Giving a lecture and using explanations       Examinations				·						
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and safety and its goals and safety and its go		-		*	-					
goals     goals       2     2     Occupational health and     Occupational health     Giving a				-	explanations					
2 2 Occupational health and Occupational health Giving a Examinations				•						
safety in Iraq and safety in Iraq lecture and	2	n	Occupational health and		Giving a	Examinations				
	Δ	L	safety in Iraq	and safety in Iraq	lecture and	Examinations				

				using explanations	
3	2	Occupational health and safety and its relationship to productivity	Occupational health and safety and its relationship to productivity	Giving a lecture and using explanations	Examinations
4	2	Physical hazards (natural)	Physical hazards (natural)	Giving a lecture and using explanations	Examinations
5	2	Noise and vibrations	Noise and vibrations	Giving a lecture and using explanations	Examinations
6	2	Temperature, humidity, and air speed	Temperature, humidity, and air speed	Giving a lecture and using explanations	Examination
7	2	Lighting, radiation and its types	Lighting, radiation and its types	Giving a lecture and using explanations	Examinations
8&9	2	Air pressure and electricity	Air pressure and electricity	Giving a lecture and using explanations	Examinations
10&11	2	Chemical hazards Gases Vapors And dust	Chemical hazards Gases Vapors And dust	Giving a lecture and using explanations	Examinations
12	2	Biological hazard and infectious diseases Psychological factors	Biological hazard and infectious diseases Psychological factors	Giving a lecture and using explanations	Examinations
13	2	Mechanical hazards	Mechanical hazards	Giving a lecture and using explanations	Examinations
14	2	Chapter Three (Industrial Toxins) Introduction to toxicology (definition of poison - the way it enters the body, its interactions inside the body, and ways of excreting it from the body)	Chapter Three (Industrial Toxins) Introduction to toxicology (definition of poison - the way it enters the body, its interactions inside the body, and ways of excreting it from the body)	Giving a lecture and using explanations	Examinations
15	2	Heavy metal poisoning (lead, mercury, chromium)	Heavy metal poisoning (lead, mercury, chromium)	Giving a lecture and using explanations	Examinations
		Evaluation			
Distrib	uting th	e score out of 100 accord	ding to the tasks assign	ied to the stude	nt such as daily

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	

265		ourse Name:			
	-	lemiology 1			
266	5. C	ourse Code:			
267	7. S	emester / Year:			
		ester first / 2 <sup>nd</sup> year			
268		Description Prepara	ation Date:		
		4/2/24			
269		vailable Attendance	e Forms:		
		Direct			
270	). N		ours (Total) / Number	of Units (Tota	al)
		urs / 4 units		X	,
27		/	or's name (mentior	all, if more t	han one
	name)		Υ.	,	
	Name:	Roaa Abad Jaythoo	m		
		Roaa.jaythoom@atu.ed			
		Course Objectives	•		
Course	Objective	• The student will be ab	ole to become familiar with	the concepts of ep	idemiology and
		the techniques related			
		• The student will be a	ble to:		
		Private:-     1 To learn about how	w diseases occur and how	infactious diseases	are transmitted
			learn how to analyze the or		
		• .3. To know the path			inco.
		•	culating the spread of dise	eases and calculati	ng the different
		rates of diseases and de	eaths		
273		eaching and Learning			
Strategy	y		es and the use of modern	scientific metho	ds in presenting
		lectures (data show)	<b>f</b> ( <b>h f</b> )	1	
		3- Practical application	on of theoretical vocabu	lary	
274.C	ourse St	· · · · ·			
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
			Introduction to		
		- Types of	epidemiology. - Types of		
1	2	epidemiology,	epidemiology, goals -	Giving a lecture and using	Examination
T	Δ	Factors that control	basics - general	explanations	Examination
		the infection process	strategies Factors that control the	1	
			infection process		
		Study of	General definitions used	Giving a lecture	
2	2	epidemiology, measures of disease,	in the study of epidemiology, measures	and using	Examination
	1	incasures or uisease,	epidennology, measures	explanations	

		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	atitis	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				
Distrib	uting the	e score out of 100 acco	rding to the	tasks assig	ned to the stude	nt such as daily
prepar	ation, da	ily oral, monthly, or w	ritten exam	s, reports	etc	
276.	Learnin	g and Teaching Res	ources			
Require	ed textbo	oks (curricular books, if	any)			
Main re	eferences	(sources)		Community health guide / Dr. Amjad Niazi		
				/ Methodie	cal Book / 1986	
Recommended books and references (scientific						
journals, reports)						
Electron	nic Refer	rences, Websites				

277		ourse Name:			
		ironmental health			
278	. C	ourse Code:			
279	. Se	emester / Year:			
	Seme	ster first / 2 <sup>nd</sup> year			
280	. D	escription Prepara	tion Date:		
	2024	/ 2/24			
281	. A	vailable Attendance	Forms:		
		Direct			
282	. N	umber of Credit Ho	urs (Total) / Number	r of Units (Tota	al)
	4 hou	ırs / 4 units			
283	B. C	ourse administrate	or's name (mentior	n all, if more th	han one
r	name)		Υ.		
l	Name: H	Huda Noor Hassan			
	Email: <b>F</b>	Iuda.hassan@atu.edu.iq			
284		ourse Objectives			
Course (	Objective	5	able to identify the most	important interfac	ial components
		and their sources of c	contamination.		
			The student will be able t		
			er, soil and air pollution in	n cities and the met	thod of treating
		pollutants.	<b>1</b>		
		• 2 - Treating all indu	ound and surface water.		
		-	nvironmental problems ar	d heat emissions	
285	Т	eaching and Learnir			
Strategy			es and the use of moder	n scientific metho	ods in presenting
202000 <b>8</b> J		lectures (data show)			as in presenting
			on of theoretical vocabu	ılary	
		Practical training in	hospitals		
	ourse St				
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name 1- Environmental	method	method
			health		
1	2	Environmental health and environmental	(The concept of	Giving a lecture and using	Examinations
1	2	types	environmental health -	explanations	Examinations
			goals and strategies - types of environment).	L.	
		2 - Components of the	2 - Components of the	Circing a last	
2	2	environment	environment	Giving a lecture and using	Examinations
-		3- Environmental	3- Environmental	explanations	Laurinations
		pollutants	pollutants	Giving a lecture	
3&4	2	air pollution	air pollution	and using	Examinations
		_		explanations	
			(0)		

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. 0	Course l	Evaluation			
	0		ding to the tasks assig		nt such as daily
		• •	ritten exams, reports	etc	
		g and Teaching Reso			
		oks (curricular books, if	any)		
		(sources)	(scientifie)		
	, reports.	books and references	(scientific		
•	<u> </u>	ences, Websites			
		,			

289	9. C	ourse Name:			
	Hea	lth Inspection 1			
290		ourse Code:			
291	<u>۲</u>	emester / Year:			
<i>L</i> )		ester first / $2^{nd}$ year			
207		· · · ·	tion Data.		
292		escription Prepara	ition Date:		
• • •		4/2/24	-		
293	3. A	vailable Attendance	e Forms:		
		Direct			
294	1. N	lumber of Credit Ho	ours (Total) / Number	r of Units (Tota	al)
	4 ho	urs / 4 units			
295	5. C	ourse administrat	or's name (mentior	n all, if more tl	han one
	name)		Υ.	,	
	/	Malath Yousif Ismae	]		
		Dw.husio@atu.edu.iq	1		
296		Course Objectives			
	Objective		ourse: - At the end of the a	cademic year, the	student will be
Course	Objective	able to recognize	ourse At the end of the a	leadenne year, the	student will be
		•the public			
		•	ection programs and conce	epts -:- The student	will be able
		to:	1 8	1	
		• A - To become fam	iliar with the foundations,	rules and requiren	nents for the
		success of the inspec	tion process	•	
		• B - To determine th	ne health conditions and sp	becifications that m	ust be legally
		available in stores			
		• Subject to health su	upervision		
297	7. Т	eaching and Learnin	ng Strategies		
Strateg			es and the use of modern	scientific metho	ds in presenting
		lectures (data show)			
			on of theoretical vocabu	lary	
		3. Practical training i	n hospitals		
	ourse St				
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
		The concept of health control, foundations,	The concept of health control, foundations,		
4		rules, objectives and	rules, objectives and	Giving a lecture	
1	2	requirements of the	requirements of the	and using	Examinations
		health inspection	health inspection	explanations	
		process	process		
		The divisions and	The divisions and units	Giving a lecture	
2	2	units of the Public Health Department	of the Public Health Department and their	and using	Examinations
		and their duties, and	duties, and the basic	explanations	
	1			1	I.

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

14	2	Food supplies factory, food appetizers factory	bod Food supplies factory,		Giving a lecture and using explanations	Examinations
15	2	Sweets factory, Al- Rashi production factory	Sweets factory, Al- Rashi production factory		Giving a lecture and using explanations	Examinations
299.	Course	Evaluation				
prepar	ation, da	e score out of 100 acco ily oral, monthly, or w g and Teaching Res	ritten exa	_	•	nt such as daily
Require	ed textbo	oks (curricular books, if	any)			
Main references (sources)				Oversight C 2- Public He amendment 3- Law No. to the Public	Ministry of Heal Juide 2012-2013 ealth Law No. 89 s 54 of 2001 (Eight c Health Law) gulation No. 29 of	of 1981 and its h Amendment
	mended s, reports	books and references (	scientific			
U		) rences, Websites				

301	. (	Course Name:								
	Pha	armacology 2								
302	2. C	Course Code:								
303	3. S	emester / Year:								
	Semester second / 2 <sup>nd</sup> year									
304		Description Prep								
	2024/ 2/24									
305	305. Available Attendance Forms:									
Direct										
306	5. N		Hours (Total) / Number	r of Units (Tota	1)					
		urs / 4 units			~)					
307 (		/	s name (mention all, if	more than or	e name)					
			phammed Email: raghd							
308		Course Objectives		a.monammed@att	u.edu.iq					
	o. Objectiv		s ic science of pharmacology							
course	Objectiv		activity of drugs							
			orption and excretion of drug							
			e and dosage form							
			icology, toxins, poisoning wit	h metals.						
309	) Т	eaching and Lea								
Strategy			e use of modern scientific metho	ds in presenting lectu	res (data show)					
	2. Pra	actical application of the								
310 C		actical training in hospit tructure	a15							
		Required Learning		Learning	Evaluation					
Week	Hours	Outcomes	Unit or subject name	method	method					
		G.U.T.	G.U.T.							
		Uterine stimulants , uterine relaxants ,	Uterine stimulants , uterine relaxants , Vulval and viginal	Giving a lecture						
1	2	Vulval and viginal	disorders, Contraceptives,	and using	Examinations					
		disorders,	U.T. disorders ,	explanations						
		Contraceptives, U.T. disorders ,								
			Musculo skeletal disorders ,							
		Musculo skeletal disorders , Chronic	Chronic rheumatic diseases	Giving a lecture						
2&3	2	rheumatic diseases	Treatment of gout, •	and using	Examinations					
		, Treatment of gout	myasthenia grvis, Mascles relaxants, Rubefacients , Soft	explanations						
			tissues inflammations.							
			Blood formation and							
			coagulations :-							
		Dianal formentics	Iron deficiency anaemia							
	2	Blood formation	Iron deficiency anaemia megalobl astic anaemia ,	Giving a lecture	<b>F</b>					
4 & 5	2	and coagulations	megalobl astic anaemia , other	and using	Examinations					
4 & 5	2		megalobl astic anaemia , other types of anaemia	-	Examinations					
4 & 5	2	and coagulations	megalobl astic anaemia , other	and using	Examinations					

			Skin:		
6& 7	2	Emollients , antipruridics , topical Corticosteroids , Eczemaow psoriasis Acne , antibacterial ,	Emollients , antipruridics , topical Corticosteroids , Eczemaow psoriasis Acne , antibacterial , disinfectants , antifugl , Antiviral , antiparasitics , melanizing and demelanizings	Giving a lecture and using explanations	Examinations
8	2	Drugs acting on E.N.T	E.N.T. Drugs acting on E.N.T. Including antibiotics and anti inflamatory.	Giving a lecture and using explanations	Examinations
9	2	Anti infective preparations, Anti inflammatory Eye drug	Eye: Anti infective preparations, Anti inflammatory (corticosteroids) , Mydriatcs and cycloplegics , Glaucoma, other preparations	Giving a lecture and using explanations	Examination
10 & 11	2	Chemo therapy and immunosuppressant:	Chemo therapy and immunosuppressant: Alkylatings , antimetabolites , enrymes , Hormones , drug alter immuneresponses.	Giving a lecture and using explanations	Examinations
12& 13	2	Anaesthetics: General anesthetics, preanthetics, Inhalation, local anesthetics.	Anaesthetics: General anesthetics, preanthetics , Inhalation , local anesthetics.	Giving a lecture and using explanations	Examinations
14 & 15	2	C.N.S. Hypnotics and axiolytics , Antipsychotics, Antidepressants , CNS stimulants ,	C.N.S. Hypnotics and axiolytics , Antipsychotics, Antidepressants , CNS stimulants ,Anorectics , antiemetics , analgesics (mild, moderate, sever pain , migraine , antiepileptics , parkinsonism, drugs used in chorea , tics. Trigeminal neuralgia	Giving a lecture and using explanations	Examinations
311.	Course	Evaluation			
prepar	ation, da	aily oral, monthly, o	ccording to the tasks assig or written exams, reports		nt such as daily
	d textboo	ng and Teaching I ks (curricular	<b>Resources</b> Mycek, M .J. ; Harvey R.A. and Ilustrated Reviews: Pharmacolo phia New York .		
Main re	ferences (	(sources)	Laurence, D.R. ; Bennett , P.N. pharmacology. New Y		
(scientif	ic journa	ooks and references ls, reports)		,	
Electron	nc Refere	ences, Websites			

313. Course Name:											
Medicine & Surgery 2											
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 Unit	s (Total)										
6 hours / 6 units											
319. Course administrator's name (mention all, if more	e 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	e cases										
• Special ; The Student Will be able to give blood &											
• The Student Will be able to dress Wound .	5										
• The Student Will be able to measure blood pressure	, pulse , Temperature .										
321. Teaching and Learning Strategies											
<b>Strategy</b> 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	The last in										
WeekHoursRequired LearningUnit or subjectLearninOutcomesnamemethod	g Evaluation method										
Giving a 1											
1 $2$ Bronchitis (M) + Bronchitis (M) + cholycystitis (S) cholycystitis (S) cholycystitis (S)											
explanation of the second seco											
2 2 Pleural effusion $(M)$ + gall bladder stone Pleural effusion $(M)$ ) + Giving a l and u											
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	8										
Anemia (M) + Anemia (M) + spleen Giving a l											
3 2 spleen injury (S) injury (S) and u											
Imputy (S)         Imputy (S)         explant           Leukemia (M) +         Leukemia (M) +         Giving a l											
4 2 pancreatitis (S) pancreatitis (S) and u											
,Hemorrhagic fever ,Hemorrhagic fever explana	e										
Lymphoma (M) + Lymphoma (M) + Giving a l											
5 2 hernia (S) hernia (S) and u											
explanation of the second seco											
6 2 Hemophilia (M) + Hemophilia (M) + types types of hernia (S) of hernia (S) Giving a and u											

		Glomerulonephritis	Glomerul	-	Giving a lecture	
7	2	(M) + tracheal	(M) + t		and using	Examinations
		obstruction (S)	obstruction (S)Nephrotic syndrome		explanations	
		Nephrotic syndrome	-	•	Giving a lecture	
8	2	and renal failure $(M) +$	and renal fa		and using	Examinations
		lung ca. (S)	lung c	a. (S)	explanations	
0 0 10	0	Rheumatoid arthritis	Rheumato	id arthritis	Giving a lecture	<b>F</b> ' '
9 & 10	2	(M) + fracture $(S)$	(M) + fra	cture (S)	and using	Examinations
					explanations Giving a lecture	
11		Gout (M) +	Gout	(M) +	and using	Examinations
11		pyelonephritis (S) pyelone		hritis (S)	explanations	Examinations
					Giving a lecture	
12		Hyperpitutirism (M)	Hyperpituti		and using	Examinations
		+ renal stones (S) renal		ones (S)	explanations	
		Theres' 1 - 1 - 1 - 1'	T1		Giving a lecture	
13				and disease $dar as$ (S)	and using	Examinations
		(M) + bladdel ca. $(S)$	(M) + bladder ca. (S)		explanations	
		Addison diseases (M) Addison dise		eases (M) +	Giving a lecture	
14		+ blood transfusion	blood trans		and using	Examinations
		(S)			explanations	
1.5		Para Thyroid gland	Para Thyroid gland disease (M) + hemorrhoid (S)		Giving a lecture	<b>D</b>
15		disease $(M)$ +			and using	Examinations
202	C	hemorrhoid (S)	nemorri	1010 (5)	explanations	
		Evaluation				
		e score out of 100 acco				nt such as daily
		ily oral, monthly, or w		s, reports .	etc	
324. ]	Learnin	g and Teaching Res	ources			
				Surgical in	nternal medicine s	specialist Dr.
				Fawaz Al-	Khalidi	
				1- Davids	ons by Davidson	
				2- Harriso	n text book of me	dicine by
Require	d textboo	oks (curricular books, if	any)	Harrison		·
-				3-Clinical	methods by Hats	chison
				2- Interna	Surgical Nursing	g - Written by
				Fayza Bou	ılos.	-
				1- Genera	l surgery by;Baily	and love
Main re	ferences	(sources)				
Recom	nended	books and references	(scientific			
•	s, reports.	*				
Electron	nic Refer	ences, Websites				

325	5 (	ourse Name:										
523		ernational Health										
204												
520	326. Course Code:											
207	7 0	/ V										
321	327. Semester / Year:											
220		ester first / 2 <sup>nd</sup> year										
328		Description Prepara	ation Date:									
200		4/2/24										
329	<b>)</b> . A	vailable Attendance	e Forms:									
		Direct										
330			ours (Total) / Number	r of Units (Tota	al)							
		urs / 5 units										
337		Course administrat	or's name (mentior	n all, if more tl	han one							
	name)											
			d Abdel Al-Hassan E	mail: <u>abdel-hass</u>	an.dw@atu.edu.iq							
332		Course Objectives										
Course	Objective	•	or global health challenge	es, programs and p	policies around							
		infectious diseases.										
		-	dent will be able to:-	the world and the	datampinanta of							
		health and disease.	ge diversity of diseases in	the world and the								
			ent and emerging global he	ealth priorities incl	uding emerging							
		-	, poverty, conflicts and	-								
			ms, and major global init	-	-							
		health promotion.										
		• 3- Identify interna	tional measures to limit th	ne spread of epiden	nic diseases.							
333	З. Т	eaching and Learnin	ng Strategies									
Strateg	у		res and the use of modern	n scientific metho	ds in presenting							
		lectures (data show)										
		3. Practical applicatio	n of theoretical vocabula hospitals	iry								
334.C	ourse St		inospitais									
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation							
		Outcomes	name	method	method							
		The concept of	1-International Health.									
100		international health -	The concept of	Giving a lecture	Exeminations							
1&2	2	the emergence of international health	international health - the emergence of	and using explanations	Examinations							
		international iteatul	international health	explanations								
		Global Policy for	Global Policy for	Giving a lecture								
3	2	International Health.	International Health.	and using	Examinations							
		Ethical issues in		explanations								
4	2	international health	Ethical issues in international health	Giving a lecture and using	Examinations							
-	2	service delivery.	service delivery.	explanations	Laminations							
	1			1								

						I
-	2	International treaties		ational treaties	Giving a lecture	<b>T</b>
5	2	and internationaland internationalhealth diplomacy.health diplomacy.			and using	Examinations
				· ·	explanations	
		Global health policy frameworks:	framev	health policy	Civing a lastura	
6	2	development,	develo		Giving a lecture and using	Examinations
0	Ζ	economics, security,		nics, security,	explanations	Examinations
		human rights.	human	•	explainations	
		Eradication and			Giving a lecture	
7	2	elimination of		adication and	and using	Examination
	_	diseases.	elimir	nation of diseases.	explanations	
		Definition of infectious	Defini	tion of infectious		
8	2	disease and what are	disea	se and what are	Giving a lecture and using	Examinations
0	2	the factors of the	the	factors of the	explanations	Examinations
		epidemiological triad.	epider	niological triad.	-	
		Methods of prevention	Metho	ds of prevention	Giving a lecture	
9	2	2 of infectious diseases		ectious diseases	and using	Examinations
			01 111		explanations	
10	2	Methods of	Metho	ds of controlling	Giving a lecture	<b>F</b>
10	2	controlling infectious	infectious diseases.		and using	Examinations
		diseases. Vital statistics in	Vit	al statistics in	explanations	
		determining the	determining the		Giving a lecture	
11	2	epidemiology of		demiology of	and using	Examinations
		infectious diseases		ctious diseases	explanations	
			(		Giving a lecture	
12	2	AIDS and hepatitis		S and hepatitis	and using	Examinations
		types A and B	typ	bes A and B	explanations	
		Pandemic influenza	Pande	emic influenza	Giving a lecture	
13	2	disease (Corona, bird	diseas	e (Corona, bird	and using	Examinations
		and swine flu).		l swine flu).	explanations	
		Hemorrhagic fever		orrhagic fever	Giving a lecture	
14	2	Ebola hemorrhagic	Ebola	a hemorrhagic	and using	Examinations
		disease		disease	explanations	
1.7	2			N 1 '	Giving a lecture	Б. : .:
15	2	Malaria		Malaria	and using	Examinations
225					explanations	
		Evaluation				
	0	e score out of 100 accor	0	0		nt such as daily
· ·		ily oral, monthly, or w		xams, reports	etc	
336.	Learnin	g and Teaching Reso	ources			
Require	ed textbo	oks (curricular books, if	any)			
Main re	eferences	(sources)		1- Ministry of I	Health - Health O	versight Guide
				2012-2013		
				2- Public Healt	h Law No. 89 of	1981
				3- Law No. 54	of 2001 (Eighth A	Amendment to
				the Public Heal		
					tion No. 29 of 19	982
Recom	mended	books and refe	rences	U		
(scienti	fic journa	als, reports)				
		ences, Websites				

227	Ca		Nama						
337.	337.       Course Name:         Health &Occupational Safety 2								
338.	8. Course Code:								
339.			ter / Year:						
			econd /2 <sup>nd</sup> year						
340.	De	scri	ption Preparati	on Date:					
	2024/	2/24	4						
341.	Av	ailał	ble Attendance F	Forms:					
			Direct						
342.	Nu	mbe	er of Credit Hour	rs (Total) / Number	of Units (Tota	l)			
			5 units	· · /	X	,			
343				ame (mention all,	if more than	one name)			
			Yousif Mohamn						
			nohammed@atu.ed						
344.				<u>u.iy</u>					
Course O		uise	Objectives	the academic year, th	e student will h	a able to get			
Course O	bjecuves		acquainted with	the academic year, th		le able to get			
			<ul><li>the public</li></ul>						
				nspection programs an	d concepts -:- Th	ne student will			
			be able to:		Ĩ				
				familiar with the found		requirements			
				f the inspection proces					
				ne the health condition	is and specification	ons that must			
			be legally available Subject to health						
345.	Та	ochi	• Subject to healt						
	Ie		ng and Learning		lorn coiontifio m	athods in presenti			
Strategy			lectures (data show	ares and the use of mod		emous în presenu			
			`	tion of theoretical voca	abulary				
			3. Practical training		ac urur y				
346.Cou	urse Stru								
Week	Hours	Req	uired Learning	Unit or subject	Learning	Evaluation			
		-	tcomes	name	method	method			
				Insecticide poisoning					
		Inse	cticide poisoning	Poisoning by	Giving a				
1&2	2		isoning by organic	organic compounds (organic solvents -	lecture and using	Examinations			
			compounds	hydrocarbons and	explanations				
				their derivatives)	1				
			k accidents and	Chapter Four (Work	Giving a				
20-1	2	inju Dof		accidents and injuries) Definition of accident	lecture and	Exominations			
3&4	2		finition of accident injury, its causes	and injury, its causes	using	Examinations			
		and	and types	and injury, its causes and types	explanations				
						<u> </u>			

5&6	2	Signs and effects of safety and securitySigns and effects of safety and securityObstacles and the role of civil defense in facilities - casualty statisticsObstacles and the role of civil defense in facilities - casualty statistics2the job Chapter Five (General methods of prevention from occupational hazards)Chapter Five (General methods of prevention from occupational hazards)		Giving a lecture and using explanations	Examinations
7	2			Giving a lecture and using explanations	Examinations
8	21- Medical prevention methods1- Medical prevention methods2A - Primary, periodic, special and rehabilitation examinations1- Medical prevention methods3A - Primary, periodic, special and rehabilitation examinations1- Medical prevention methods		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	eering preventionEngineering prevention methodsdsprevention methodsocksA - LocksplacementB - Replacement		Examinations
11	2	D - Ventilation E - Monitoring the work environment (detecting and measuring pollutants in the work environment and comparing them to the recommended limits to identify an occupational health basis	D - Ventilation E - Monitoring the work environment (detecting and measuring pollutants in the work environment and comparing them to the recommended limits to identify an occupational health basis	Giving a lecture and using explanations	Examinations
12	2	F - General personal hygiene G - Inspection of work sites	F - General personal hygiene G - Inspection of work sites	Giving a lecture and using explanations	Examinations
13	2	3 - Personal protective equipment, its types, specifications and uses	3 - Personal protective equipment, its types, specifications and uses	Giving a lecture and using explanations	Examinations
14&15	2	Chapter Six Age and occupational safety legislation	Chapter Six Age and occupational safety legislation	Giving a lecture and	Examinations

		1- Decisions related to	1- De	cisions related	using	
		occupational health to occu		upational health	explanations	
		and safety and safe		afety		
		2- Laws 2- Law		WS		
		3- Systems	3- Sys			
		4 instructions	4	instructions		
347. C	Course E	valuation				
Distribut	ting the s	core out of 100 accord	ing to	the tasks assign	ed to the stude	nt such as daily
preparat	tion, daily	y oral, monthly, or writ	tten ex	ams, reports	etc	-
348. L	earning	and Teaching Resou	irces			
Required	textbook	s (curricular books, if a	ny)			
Main refe	erences (s	sources)		Encyclopedia of Occupational Health and		
				Safety (ILO), C	Geneva 1990, Pa	rt Two
				Iraqi Labor Lav	w No. 37 of 201	5
Recomm	ended bo	oks and references (scie	ntific	Occupational h	nealth and safety	v book 2015
	reports	)		Occupational	Safety	and Health
journals,						
journals,	1			Administration	1 book 2009	

349.       Course Name:         Epidemiology 2         350.       Course Code:         351.       Semester Code:         Semester / Year:         Semester second / 2 <sup>nd</sup> year         352.       Description Preparation Date:         2024/ 2/24         353.       Available Attendance Forms:         Direct         354.       Number of Credit Hours (Total) / Number of Units (Total)         4 hours / 4 units	
350.Course Code:351.Semester / Year:Semester second / 2 <sup>nd</sup> year352.Description Preparation Date:2024/ 2/24353.Available Attendance Forms:Direct354.Number of Credit Hours (Total) / Number of Units (Total)	
<ul> <li>351. Semester / Year: Semester second / 2<sup>nd</sup> year</li> <li>352. Description Preparation Date: 2024/ 2/24</li> <li>353. Available Attendance Forms: Direct</li> <li>354. Number of Credit Hours (Total) / Number of Units (Total)</li> </ul>	
Semester second / 2 <sup>nd</sup> year352.Description Preparation Date: 2024/ 2/24353.Available Attendance Forms: Direct354.Number of Credit Hours (Total) / Number of Units (Total)	
Semester second / 2 <sup>nd</sup> year352.Description Preparation Date: 2024/ 2/24353.Available Attendance Forms: Direct354.Number of Credit Hours (Total) / Number of Units (Total)	
352.Description Preparation Date: 2024/ 2/24353.Available Attendance Forms: Direct354.Number of Credit Hours (Total) / Number of Units (Total)	
2024/ 2/24353.Available Attendance Forms: Direct354.Number of Credit Hours (Total) / Number of Units (Total)	
353.Available Attendance Forms: Direct354.Number of Credit Hours (Total) / Number of Units (Total)	
Direct354.Number of Credit Hours (Total) / Number of Units (Total)	
354. Number of Credit Hours (Total) / Number of Units (Total)	
A hours / A units	
355. Course administrator's name (mention all, if more than	one
name)	
Name: Roaa Abad Jaythoom	
Email: <u>Roaa.jaythoom@atu.edu.iq</u>	
356. Course Objectives	
<b>Course Objectives</b> • The student will be able to become familiar with the concepts of epidemi	niology and
the techniques related to it.	
• The student will be able to:	
<ul> <li>Private:-</li> <li>1. To learn about how diseases occur and how infectious diseases are the second second</li></ul>	transmittad
and controlled2. To learn how to analyze the occurrence of epidemics.	
<ul> <li>.3. To know the pathogens</li> </ul>	
• 4. To learn about calculating the spread of diseases and calculating the	ne different
rates of diseases and deaths	
357. Teaching and Learning Strategies	
<b>Strategy</b> 1- Theoretical lectures and the use of modern scientific methods in	1 presenting
lectures (data show)	
2- Practical application of theoretical vocabulary	
3- Practical training in hospitals	
358.Course StructureWeekHoursRequired LearningUnit or subjectLearningEva	aluation
	ethod
Epidemic diseases that Epidemic diseases that Giving a lecture	
1 2 occurred in the world, occurred in the world, and using F	Examinations
their consequences, their consequences, explanations	
Vaccination against	
	Examinations
2 2 Communicable communicable diseases and using Ev	Anniauons
2 2 communicable diseases and using Ex diseases (regional diseases (regional diseases) explanations	
2 2 2 Communicable diseases and using explanations Explanations	
22Communicable diseases (regional plan)communicable diseases (regional plan)and using explanationsEx22Types of healthTypes of healthGiving a lecture	xaminations
22Communicable diseases (regional plan)communicable diseases (regional plan)and using explanationsEx22Types of healthTypes of healthGiving a lecture	Examinations

		pollution, medical waste	pollution, was			
4	2	Food poisoning (types and causes)	Food poison and ca		Giving a lecture and using explanations	Examinations
5	2	Encephalomyelitis	Encephalomyelitis		Giving a lecture and using explanations	Examinations
6	2	Cholera	Cholera		Giving a lecture and using explanations	Examination
7	2	Water bags	Water bags		Giving a lecture and using explanations	Examinations
8	2	Malaria	Malaria		Giving a lecture and using explanations	Examinations
9	2	schistosoma	schistosoma		Giving a lecture and using explanations	Examinations
10&11	2	Pandemic influenza - types and causes - Covid-19 (factors that led to the emergence of new viruses belonging to the coronavirus family).	Pandemic influenza - types and causes - Covid-19 (factors that led to the emergence of new viruses belonging to the coronavirus family).		Giving a lecture and using explanations	Examinations
12	2	Acquired immunodeficiency disease	Acquired immunodeficiency disease		Giving a lecture and using explanations	Examinations
13	2	Hemorrhagic fever	Hemorrha	gic fever	Giving a lecture and using explanations	Examinations
14	2	Chicken pox	Chicke	en pox	Giving a lecture and using explanations	Examinations
15	2	rabies	rat	bies	Giving a lecture and using explanations	Examinations
359.	Course	Evaluation				
	0	e score out of 100 acco	0	-	•	nt such as daily
		ily oral, monthly, or w g and Teaching Res		s, reports .	etc	
		oks (curricular books, if				
-		(sources)	uiiy <i>)</i>		ty health guide / I cal Book / 1986	Dr. Amjad Niazi
journals	, reports		(scientific			
Electror	nic Refer	ences, Websites				

361	(`.							
201	361. Course Name:							
Professional Ethics								
362	2. Co	ourse Code:						
363		emester / Year:						
		ster second / 2 <sup>nd</sup> yea						
364		escription Prepara	tion Date:					
	2024	/ 2/24						
365	5. A	vailable Attendance	e Forms:					
		Direct						
366	5. N	umber of Credit Ho	urs (Total) / Numbe	r of Units (Tota	al)			
	2 hou	rs / 2 units						
367	7. C	ourse administrate	or's name (mention	n all, if more t	han one			
	name)							
	Name: V	Vassan Abbas Bud	i					
	Email: 🛛	vassan.budi@atu.edu.iq						
368		ourse Objectives	etiquette of professional					
		achieving compatibilit	ate on professional behave y with himself and his pro- panions health workers	ofessional environm	nent			
369		• (The patient, his companions, health workers, and medical equipment)						
Strategy		aching and Learning Strategies Theoretical lectures and the use of modern scientific methods in presenting						
Strategy		lectures (data show)		cientific methous	in presenting			
370.Co	ourse St							
Week	Hours	<b>Required Learning</b>						
			Unit or subject	Learning	Evaluation			
		Outcomes	name	Learning method	Evaluation method			
1	2	- 0	0	0				

3	2	Behavioral trends and tendencies Its definition, classification,	Behavioral trends and tendencies Its definition, classification, factors	Giving a lecture and using	Examinations
		factors affecting it, and methods of its establishment	affecting it, and methods of its establishment		Examinations
4	2	Values, customs and traditions Its definition, classification, factors affecting it, and methods of its establishment	s traditions lefinition, Its definition, C cation, factors classification, factors ting it, and affecting it, and nods of its methods of its blishment establishment		Examinations
5	Personality types, how to deal with themPersonality types, how to deal with themDefinition of personality - its types - its relationships - its nature - itsDefinition of personality - its types - its relationships - its nature - its nature - its explanationsnature - its personality - its types - its relationships - its motivations - its explanations- its explanations		Giving a lecture and using explanations	Examinations	
6	bealth and medical profession - Characteristics and characteristics of health workers - appearance, behavior, and commitment - Characteristics of a successful medical associate Some undesirablehealth and medical profession - Characteristics and characteristics of workers - appeara behavior, and commitment - Characteristics of a successful medical associate Some undesirable		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	Giving a lecture and using explanations	Examination
7	2	The moral and legal rights of the patient - Moral and legal rights of workers in health and medical professions	The moral and legal rights of the patient - Moral and legal rights of workers in health and medical professions	Giving a lecture and using explanations	Examinations
8	2	Behavioral dealing with the patientBehavioral dealing with the patientReceiving and dealing with the patient - and maintainingBehavioral dealing with the patient		Giving a lecture and using explanations	Examinations

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

		between medical	between me	dical		
		associates and patients	associates a	nd patients		
		Conditions necessary	Conditions	necessary		
		for the success of a	for the su	ccess of a		
1		medical member	medical			
		during his watch	during h	is watch		
		Applications in	Applica	tions in	Giving a lecture	
15	2	professional behavior	professiona		and using	Examinations
		•	proression		explanations	
371.0	Course	Evaluation				
Distribu	uting the	score out of 100 accord	rding to the	tasks assig	ned to the stude	nt such as daily
preparation, daily oral, monthly, or written exams				s, reports .	etc	
372.1	Learnin	g and Teaching Reso	ources			
				1- Method	dological books / I	Professional
				behavior -	- written by Dr. A	dnan Shaker -
Require	d textboo	oks (curricular books, if	any)	Dr. Hanaa	a Ahmed	
-			-	reconcile		
				- Dr. Abd	ullah Jassim	
Main references (sources)			Profession	nal Behavior of De	octors - Written	
			by Dr. Raji Abbas Al-Tikriti			
Recommended books and references (scientific			Forensic Medicine and Professional Ethics -			
journals, reports)			Written by Dr. Dhia Al-Musawi 1986 A			
-	•				on the profession	
					- A handbook on	
					of doctors - publis	-
				Medical Syndicate -		
Electron	nic Refer	ences, Websites			•	
,						

373.       Course Name:         Health Inspection 2         374.       Course Code:         375.         Semester / Year:         Semester second / 2 <sup>nd</sup> year         376.         Description Preparation Date:         2024/ 2/24         377.         Available Attendance Forms:         Direct         378.         Number of Credit Hours (Total) / Number of Units (Total)         4 hours / 4 units         379.         Course administrator's name (mention all, if more than one name)         Name: Malath Yousif Ismael Email: Dw.husio@atu.edu.iq         380.         Course Objectives         * Objectives of the course: - At the end of the academic year, the student will be able to recognize         • the public         • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores <td application="" colspatical="" of="" th="" th<=""><th>270</th><th></th><th>Lauraa Marraa</th><th></th><th></th><th></th></td>	<th>270</th> <th></th> <th>Lauraa Marraa</th> <th></th> <th></th> <th></th>	270		Lauraa Marraa				
374.       Course Code:         375.       Semester / Year:         Semester second / 2 <sup>nd</sup> year         376.       Description Preparation Date:         2024/2/24         377.       Available Attendance Forms:         Direct         378.       Number of Credit Hours (Total) / Number of Units (Total)         4 hours / 4 units         379.       Course administrator's name (mention all, if more than one name)         Name: Malath Yousif Ismael Email: Dw.husio@atu.edu.iq         380.       Course Objectives         Course Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to:         • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical training in hospitals         382. Course Structure	573		Course Name:					
375.       Semester / Year: Semester second / 2 <sup>nd</sup> year         376.       Description Preparation Date: 2024/ 2/24         377.       Available Attendance Forms: Direct         378.       Number of Credit Hours (Total) / Number of Units (Total)         4 hours / 4 units       379.         379.       Course administrator's name (mention all, if more than one name)         Name: Malath Yousif Ismael Email: Dw.husio@atu.edu.iq         380.       Course Objectives         Course Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to recognize • the public         • Special health inspection programs and concepts -:- The student will be able to: • A - To become familiar with the foundations, rules and requirements for the success of the inspection process • B - To determine the health conditions and specifications that must be legally available in stores • Subject to health supervision         381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals         382. Course Structure	27							
Semester second / 2 <sup>nd</sup> year         376.       Description Preparation Date:         2024/2/24         377.       Available Attendance Forms:         Direct         378.       Number of Credit Hours (Total) / Number of Units (Total)         4 hours / 4 units         379.       Course administrator's name (mention all, if more than one name)         Name: Malath Yousif Ismael Email: Dw.husio@atu.edu.iq         380.       Course Objectives         • Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to recognize         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical training in hospitals	3/4	3/4. Lourse Lode:						
Semester second / 2 <sup>nd</sup> year         376.       Description Preparation Date:         2024/2/24         377.       Available Attendance Forms:         Direct         378.       Number of Credit Hours (Total) / Number of Units (Total)         4 hours / 4 units         379.       Course administrator's name (mention all, if more than one name)         Name: Malath Yousif Ismael Email: Dw.husio@atu.edu.iq         380.       Course Objectives         • Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to recognize         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical training in hospitals								
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2024/ 2/24         377. Available Attendance Forms:         Direct         378. Number of Credit Hours (Total) / Number of Units (Total)         4 hours / 4 units         379. Course administrator's name (mention all, if more than one name)         Name: Malath Yousif Ismael Email: Dw.husio@atu.edu.iq         380. Course Objectives         Course Objectives		Seme	ester second / $2^{nd}$ ye	ar				
377.       Available Attendance Forms:         Direct         378.       Number of Credit Hours (Total) / Number of Units (Total)         4 hours / 4 units         379.       Course administrator's name (mention all, if more than one name)         Name: Malath Yousif Ismael Email: Dw.husio@atu.edu.iq         380.       Course Objectives         Course Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to recognize         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical training in hospitals         382.Course Structure								
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379.       Course administrator's name (mention all, if more than one name)         Name: Malath Yousif Ismael Email: Dw.husio@atu.edu.iq         380.       Course Objectives         * Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to recognize         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.         Teaching and Learning Strategies         Strategy         1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary         3. Practical training in hospitals	378	8. N	Number of Credit Ho	ours (Total) / Number	r of Units (Tota	al)		
Name:       Malath Yousif Ismael Email:       Dw.husio@atu.edu.iq         380.       Course Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to recognize         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical training in hospitals         382. Course Structure       Structure		4 ho	urs / 4 units					
Name:       Malath Yousif Ismael Email:       Dw.husio@atu.edu.iq         380.       Course Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to recognize         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical training in hospitals         382. Course Structure       Structure	379	). C	ourse administrat	or's name (mentior	n all, if more tl	han one		
380.       Course Objectives         Course Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to recognize         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.         Teaching and Learning Strategies         Strategy         1.         2.         Practical application of theoretical vocabulary         3.         382.         Course Structure				,				
380.       Course Objectives         Course Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to recognize         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.         Teaching and Learning Strategies         Strategy         1.         2.         Practical application of theoretical vocabulary         3.         382.         Course Structure		Name:	Malath Yousif Ismae	l Email: Dw.husio@at	tu.edu.iq			
Course Objectives       • Objectives of the course: - At the end of the academic year, the student will be able to recognize         • the public       • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical training in hospitals         382. Course Structure       1.					*			
•the public         • Special health inspection programs and concepts -:- The student will be able to:         • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary       3. Practical training in hospitals         382. Course Structure       1. Strategy	Course			ourse: - At the end of the a	cademic year, the	student will be		
<ul> <li>Special health inspection programs and concepts -:- The student will be able to:         <ul> <li>A - To become familiar with the foundations, rules and requirements for the success of the inspection process</li> <li>B - To determine the health conditions and specifications that must be legally available in stores</li> <li>Subject to health supervision</li> </ul> </li> <li>381. Teaching and Learning Strategies</li> <li>Strategy         <ul> <li>Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</li> <li>Practical application of theoretical vocabulary</li> <li>Practical training in hospitals</li> </ul> </li> <li>382. Course Structure</li> </ul>			able to recognize					
to:       • A - To become familiar with the foundations, rules and requirements for the success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.         Teaching and Learning Strategies         Strategy         1.         2.         Practical application of theoretical vocabulary         3.         382.         Course Structure			<u>^</u>					
<ul> <li>A - To become familiar with the foundations, rules and requirements for the success of the inspection process</li> <li>B - To determine the health conditions and specifications that must be legally available in stores</li> <li>Subject to health supervision</li> <li>381. Teaching and Learning Strategies</li> <li>Strategy         <ol> <li>Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</li> <li>Practical application of theoretical vocabulary</li> <li>Practical training in hospitals</li> </ol> </li> </ul>			Special health inspectively a second se	ection programs and conce	epts -:- The student	will be able		
success of the inspection process         • B - To determine the health conditions and specifications that must be legally available in stores         • Subject to health supervision         381.         Teaching and Learning Strategies         Strategy         1.         Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2.       Practical application of theoretical vocabulary         3.       Practical training in hospitals								
<ul> <li>B - To determine the health conditions and specifications that must be legally available in stores         <ul> <li>Subject to health supervision</li> </ul> </li> <li>381. Teaching and Learning Strategies</li> <li>Strategy         <ul> <li>Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</li> <li>Practical application of theoretical vocabulary</li> <li>Practical training in hospitals</li> </ul> </li> <li>382. Course Structure</li> </ul>					rules and requiren	nents for the		
available in stores         • Subject to health supervision         381.         Teaching and Learning Strategies         Strategy         1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary         3. Practical training in hospitals         382. Course Structure								
• Subject to health supervision         381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary         3. Practical training in hospitals         382. Course Structure								
381.       Teaching and Learning Strategies         Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2.       Practical application of theoretical vocabulary         382. Course Structure								
Strategy       1. Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)         2. Practical application of theoretical vocabulary         3. Practical training in hospitals         382. Course Structure								
lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals 382. Course Structure					scientific metho	ds in presenting		
3. Practical training in hospitals       382. Course Structure						1 0		
382.Course Structure								
			*	n hospitals				
Week   Hours   Required Learning   Unit or subject   Learning   Evaluation				<b>T</b> T • ( <b></b>				
	Week	Hours	• 0	•	0			
Giving a lecture						methou		
1 2 Ice and gypsum factor lice and gypsum and using Examinations	1	2	0.1		<b>U</b>	Examinations		
specifications factories explanations			*	factories	explanations			
Juice, jam and mineral Juice factories, mineral Giving a lecture		2		Juice factories, mineral	5	Examinations		
2 2 water factory conditions and carbonated water and using Examinations	2	2			-	Examinations		
Awareness about Desalination and				Desalination and				
drinking water sterilization plants for Giving a lecture		2	drinking water		-	Energiant		
5 2 plants and drinking drinking water and explanations	5	2	plants and drinking	drinking water and	0	Examinations		
water projects waste water projects			water projects	waste water projects	Capitaliations			

4	2	Specifications of beauty centers	Beauty	centers	Giving a lecture and using explanations	Examinations
5	2	Explanation of cosmetics and detergents laboratories	Cosmetics laboratories and detergent laboratories		Giving a lecture and using explanations	Examinations
6	2	Conditions for means of transportation and preservation of materials Food	materials Food		Giving a lecture and using explanations	Examinatio
7	2	Conditions for public showers and swimming pools	Public showers and swimming pools		Giving a lecture and using explanations	Examinations
8	2	How to organize the work of street vendors	<b>U U</b>	the work of vendors	Giving a lecture and using explanations	Examinations
9	2	Conducting health and environmental inspections of schools	enviro	th and nmental of schools	Giving a lecture and using explanations	Examinations
10	2	Specifications of massacres	The massacres		Giving a lecture and using explanations	Examinations
11	2	Functions of bodies supporting health oversight work	Entities supporting health oversight work		Giving a lecture and using explanations	Examinations
12	2	Characteristics of sanitary landfill sites	Sanitary d	umping sites	Giving a lecture and using explanations	Examinations
13	2	Critical control conditions and risk analysis	Hazard analysis and critical control points system		Giving a lecture and using explanations	Examinations
14	2	How to pull food models	Pull food	d models	Giving a lecture and using explanations	Examinations
15	2	Explain business contexts	Business	contexts	Giving a lecture and using explanations	Examinations
Distribu	ting the	Evaluation score out of 100 accor			ned to the stude	nt such as daily
		y oral, monthly, or writte g and Teaching Rese		ports etc		
		oks (curricular books, if				
	ferences (	sources)		Oversight C 2- Public H amendment 3- Law No. the Public H	i Ministry of Health Guide 2012-2013 ealth Law No. 89 c ss 54 of 2001 (Eighth Health Law) gulation No. 29 of	of 1981 and its
•	, reports	books and references ) nces, Websites	(scientific			

