Academic Program Description Form

University Name: Al-Furat Al-Awsat Technical University Faculty/Institute: Babylon Technical Institute Scientific Department: Department of Community Health Technologies Academic or Professional Program Name: Community Health Technical Final Certificate Name: Technical Diploma in Community Health Academic System: Semester system Description Preparation Date: 8–2–2024 File Completion Date: 22/2/2024

Signature: Head of Department Name: Enas Abbas Khairallah

Date:

Signature: Scientific Associate Name: Oras Khudair Abbas Date:

The file is checked by: Department of Quality Assurance and University Performance Director of the Quality Assurance and University Performance Department: Khansa Azeez Obayes

Date:

Signature:

Approval of the Dean

Approval of the Dean

1. Program Vision

The Department of Community Health Technologies is a branch of medical sciences that provides experienced cadres for health care for the individual and society, in addition to education to create a healthy environment for the individual and society. Graduates of the department serve all groups and segments of society by providing primary, secondary and tertiary health care and education against pathological and environmental causes of health deterioration. Inspection and oversight to reveal the suitability of human-consumed materials, limit the development of the factors that lead to health deterioration, care for people with special disabilities and chronic diseases, and provide the necessary aid to bring them to safety. All of this is achieved by using updated learning techniques that keep pace with scientific development, the sober practical aspect, and competent teaching experiences.

2. Program Mission

The mission of the Community Health Department is to create a conscious and health–educated generation capable of containing crises and finding immediate and long–term solutions to create a safe, healthy environment, and to provide the health sectors with cadres trained to provide health care at all levels.

3. Program Objectives

The department aims to graduate technical professionals working in the fields of health, occupational safety, inspection, and public health oversight.
 Assistance in implementing health monitoring programmes, health awareness campaigns and medical assistance in the countryside
 Diagnostic programs implemented in health centers.

4. Program Accreditation

The program has not received accreditation

5. Other external influences

Department graduates serve the community in health institutions

6. Program Struc	ture			
Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	1	2	1.35%	
College Requirements	4	10	6.7%	
Department Requirements	28	136	91.89	
Summer Training				Interpolation
Other				

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

7. Program Desc	7. Program Description										
The first stage/first semester											
Year/Level	Course	Course Name	Credi	t Hours							
	Code										
			theoretical	practical							
The first stage	СОМ	Principles Community Health	2	3							
The first stage	FNF1	Fundamentals of Nursing1	2	3							
The first stage	ANA1	General Anatomy1	2	2							
The first stage	PHY1	Physiology	2	3							

The first stage	MIC1	Medical Microbiology1	2	3
The first stage	BIOS1	Biostatic1	2	
The first stage	BIOC1	Clinical Chemistry1	1	3
The first stage	CA1	Computer Applications (1)	1	2
The first stage	HRD	Human Rights & Democratic	2	
	Fi	rst stage/second semester		
Year/Level	Course	Course Name	Cred	it Hours
	Code			
			theoretical	practical
The first stage	СОМ	Principles Community Health2	2	3
The first stage	FNF1	Fundamentals of Nursing2	2	3
The first stage	ANA1	General Anatomy2	2	2
The first stage	PHY1	Physiology2	2	3
The first stage	MIC1	Medical Microbiology2	2	3
The first stage	BIOS1	Biostatic2	2	
The first stage	BIOC1	Clinical Chemistry2	1	3
The first stage	CA1	Computer Applications 2	1	2
The first stage		English Language	2	
	S	econd stage/first semester		
Year/Level	Course	Course Name	Cred	it Hours
	Code			
			theoretical	practical
The Second stage	CH2	Community Health	2	3
The Second stage	HIN	Health Inspection	2	4
The Second stage	MS	Medicine & Surgery	2	4
The Second stage	HOS	Health &Occupational	2	3
		Safety		
The Second stage	EPI	Epidemiology	2	2
	PHA	Pharmacology	2	2
The Second stage	EH	Environmental Health	2	2
	Sec	cond stage/second semeste	r	
Year/Level	Course	Course Name	Cred	it Hours
	Codo			
	Code			

The Second stage	CH2	Community Health	2	3
The Second stage	HIN	Health Inspection	2	4
The Second stage	MS	Medicine & Surgery	2	4
The Second stage	HOS	Health &Occupational	2	3
		Safety		
The Second stage	EPI	Epidemiology	2	2
The Second stage	PHA	Pharmacology	2	2
The Second stage	PRO	Proposal		2
The Second stage	PRE	Professional Ethics	2	

8. Expected learning	8. Expected learning outcomes of the program								
	Knowledge								
A- Cognitive objectives	A1- Assisting in laboratory investigation of the examined samples								
	and their conformity with health conditions and assisting in health								
	inspection and control teams.								
	A2- He has an effective role in the field of occupational health and								
	safety and implementing primary health care programmes.								
	A3- Operating and caring for used medical devices and machines								
	used in diagnosis and treatment.								
	Skills								
Skills objectives of the	B1 – Implementing medical programs such as periodic vaccinations								
programme	and laboratory tests.								
	B2- Skills in programs to control communicable diseases and assist								
	the doctor in diagnosis and treatment.								
	B3-Practical skill in operating and caring for laboratory equipment.								
	Ethics								
Emotional and value goals.	C1- Investigation and control of transmissible diseases								
	C2- Implementing the schedule of periodic vaccinations for children								
	and pregnant mothers								
	C3- Assisting in treating patients and dispensing medicine to them								

9. Teaching and Learning Strategies

- 1- Theoretical lecture method
- 2- Practical lecture method
- 3-Method of discussion and dialogue

10. Evaluation methods

- 1- Daily test
- 2- Monthly test
- 3- Semester test
- 4-Discussing monthly and quarterly research.

11. Faculty

Faculty Members					
Academic Rank	Specia	alization	Special Requirements/Ski (if applicable)	Number of	the teaching taff
	General	Special		Staff	Lecturer
Professor	Biology	Physiology		\checkmark	
Professor	Microbiology	Parasitology			
Assistant Professor	Plant production	Biocontrol		V	
Lecturer	Medical microbiology	Immunology and genetics of parasites		V	
Lecturer	Medicine	Clinical pharmacology		V	

					· · · · · · · · · · · · · · · · · · ·
		and			
		therapeutics			
				1	
Lecturer	Medical	Genetic virus		N	
	microbiology	immunity			
Lecturer	Biology	Environment		\checkmark	
		and pollution			
Lecturer	Biology	Zoology /		\checkmark	
		physiology			
Lecturer	Chemistry	clinical		\checkmark	
		Chemistry			
		5			
Assistant lecturer (2)	Community	Community		\checkmark	
	health	health			
Assistant lecturer	Biology	Biology		\checkmark	
Assistant lecturer	Medical	Medical			
	physiology	physiology			
Assistant lecturer	Computer	Information		\checkmark	
	science	systems			
		,			
Assistant lecturer	Medical	Cardio		\checkmark	
	physioloav	physiology			
	1	1			
Assistant lecturer	Agricultural	Horticulture		\checkmark	
	sciences				

Professional Development

Mentoring new faculty members

New members of the department are developed by holding a training course, seminars and workshops to train them on the approved work contexts

Professional development of faculty members

Faculty members are developed through holding a training course, seminars and workshops to train them on approved work contexts.

12. Acceptance Criterion

1– According to the admission plan approved by the Ministry of Higher Education and Scientific Research and according to the annual average of graduates of the sixth scientific year.

2- Differentiation lessons (biology + chemistry lesson) for the sixth science grade.

13. The most important sources of information about the program

1-Methodological books

2-Supporting sources

3-General sources

4- The Internet.

14. Program Development Plan

One of the future plans to develop the department is to create laboratories

(nursing foundations laboratory).

				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or	Knowledge			Skills			Ethics					
			optional	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	С3	C4
The first	СОМ	Community Health(1)	Basic												
stage,	FNF1	Fundamental s of Nursing & first aids	Basic	\checkmark		\checkmark									
The first	ANA1	Anatomy	Basic	\checkmark											
stage,	PHY1	Physiology	Basic									\checkmark	\checkmark		\checkmark
	MIC1	Microbiology	Basic												

The first stage,	BI01	Biostatic	Basic	\checkmark		\checkmark	V	\checkmark	\checkmark	\checkmark	\checkmark		
The first	BIO1	Bio chemistry	Assistant				\checkmark	\checkmark	\checkmark	\checkmark		\checkmark	
stage,	COM1	Computer Applications (1	Assistant				\checkmark	\checkmark	\checkmark	\checkmark		\checkmark	
The first stage,	HRD1	Human Rights & Democratic	General		\checkmark	V		\checkmark	\checkmark	\checkmark		\checkmark	
The Second stage	CH2	Community Health	Basic										
	HIN	Health Inspection	Basic			\checkmark	\checkmark					\checkmark	

The Second stage	MS	Medicine & Surgery	Basic					 	
The Second stage	HOS	Health &Occupationa 1 Safety	Basic					 	
	EPI	Epidemiology	Basic				 		
The Second	PHA	Pharmacology	Assistant	 	 	 	 	 	
stage		Environment Health	Basic					 	
The Second stage	PRO	Proposal	Basic					 	
	PRE	Professional Ethics	Assistant				 	 	

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

1. Cour	rse Name	e: Principles of community health + community health
2. Cour	rse Code:	
3. Sem	ester / Y	/ear: First semester – second semester
4. Desc	cription I	Preparation Date:14-2-2024
5. Avai + on	lable Atte -site trair	endance Forms: Form of attendance: academic + practical application ning (hospitals and health centers)
6. Num 3 pra	iber of Cr actical)	redit Hours (Total) / Number of Units (Total): 5 hours (2theoretical +
7. Cou	rse adm	inistrator's name (mention all, if more than one name)
Nam Ema	ie: Dr. Ina il: inas.K	as Abbas Khairallah Chairualla@atu.edu.io
8. Cour	se Objec	tives
Course Objec	tives	• To become familiar with the goals and strategies of the
		 community health system. 2 Identifying the services and facilities provided in
	ļ	• 2. Identifying the services and facilities provided in primary health care centers.
		 To know how to organize family registry forms for pregnant women and children.
		 4. To know the most important types of vaccines and ho to deal with them
		 5. To become familiar with health information and healt and disease standards.
9. Teac	ching and	Learning Strategies
Strategy		
		1- Theoretical lecture method
		3-Method of discussion and dialogue
L	<u> </u>	
		11

					
Week	Hours	Required	Unit or subject	Learning method	Evaluation
		Learning	name		method
		Outcomes			
(1	2	Definition of	Introduct	The lecture i	Theore
		community	n to	theory and	, pract
		health – Wha	commun	practice	and
		does communi	health		quarte
		health include			examir
		The goal of			n
		community			
		health			
(2	2	Primary healt	Primar	The lecture i	Theore
		care - Primar	health ca	theory and	, pract
		health care		practice	and
		programs -			quarte
		Objectives an			examin
		strategies			n
		Disease, its			
		causes, factor			
		affecting the			
		disease			
		(causative, hos			
()	2	environment	X 7 ·	TT1 1 / ·	T 1
(.	2	Vaccines -	V accine	The lecture 1	Ineore
		Immunity -		theory and	, praci
		vaccines of a		practice	and
		types and			quarte
		methods of			examin
		them Descrive			П
		A ativo vocoina			
		Types Pouti			
		yaccine			
(/	2	Maternal and	motherho	The lecture i	Theore
(4	2	child care	and	theory and	nraci
(-		services	Childhor	nractice	, praci
		501 11005	Care	practice	and
			care		evami
					CAAIIII

((2	Breastfeeding	Breastfee	The lecture i	Theoreti
		its benefits fo	ng	theory and	, practio
		the mother an	-	practice	and
		the child -			quarter
		artificial feedin			examina
					n
(2	Diarrhea in	Diarrhea	The lecture i	Theoreti
		children - its	childrei	theory and	, practic
		causes - types		practice	and
		how to avoid a			quarter
		prevent it.			examina
(0			D 1 1		<u>n</u>
(8	2	Dehydration 1	Dehydra	The lecture 1	Theoreti
		children - its	n in	theory and	, practic
		types, signs, ai	childrei	practice	and
		now to treat 1			quarter
					examina
(2	The importance	School	The lecture i	Theoreti
(-		of school heal	health ur	theory and	practic
		unit services	incartin un	practice	, practic
		within the		practice	quarter
		primary healt			examina
		care center.			n
(1	2	Medical wast	Medica	The lecture i	Theoreti
		and how to de	waste	theory and	, practic
		with it		practice	and
				_	quarter
					examina
					n
(1	2	Pandemic	Pandem	The lecture i	Theoreti
		influenza	influenz	theory and	, practic
		(Corona - bire		practice	and
		flu)			quarter
					examina
(1	~	0			<u>n</u>
(1	2	Some	Some	I he lecture 1	I heoreti
		transmissible	transmiss	theory and	, practic
		uiseases (tuboroulogic	e disease	practice	and
					quarter
		pono).			examina

(1	2	- Some	Some	The lecture i	Theoret
(1	2	- Some	Sommuni	theory and	neorei
		diagana	bla diago	theory and	, pracu
		diseases	die disea	practice	and
		(upnuneria,			quarter
		whooping coug			examina
(1	2	tetanus).	X7' , 1	TT1 1 / ·	<u>n</u>
(1	2	Vital statistics	Vital	The lecture 1	Theoret
		The general	statistic	theory and	, practio
		method of heal		practice	and
		research,			quarter
		information o			examina
		births and deat			n
(1	2	Measures of	Measures	The lecture i	Theoreti
		health and	health ar	theory and	, practic
		disease: measu	disease	practice	and
		of births and			quarter
		deaths			examina
					n
			Second semester	•	
(1	2	The disease, i	The	The lecture i	Theoreti
		causes, and th	disease,	theory and	, practic
		factors affectin	causes.	practice	and
		the occurrence			quarter
		the disease, th			examina
		epidemiologic			n
		triad			
(2	2	Health education	Health	The lecture i	Theoreti
		and its	educatio	theory and	, practic
		procedures		practice	and
		1		I	quarter
					examina
					n
()	2	Acute respirate	Acute	The lecture i	Theoreti
	_	infections and	respirato	theory and	. practic
		their control		practice	and
				Praedice	quarter
					examina
					n
(4	2	Nutrition and	Nutritio	The lecture i	Theoreti
$\langle \rangle$	4	food - the basi	and foo	theory and	nractic
		elements of for	and 100	nractica	, practic
		and how that		practice	allu
		and now the			quarter
		affect the			examina
		atminitizes ~~~~~			

		and developme			
		of the child -			
		diseases of			
		malnutrition			
(1	2	The concept d	School	The lecture i	Theoret
		school health a	health ar	theory and	, practio
		mental health	mental	practice	and
		the emergence	health	1	quarter
		school health			examina
		services			n
((2	Objectives an	school	The lecture i	Theoreti
Ì		importance o	health:	theory and	, practic
		school health		practice	and
		Development		1	quarter
		school health			examina
		systems			n
(2	School health	School	The lecture i	Theoreti
		strategies,	health	theory and	, practic
		services and	services a	practice	and
		duties	duties		quarter
					examina
					n
(8	2	School health	School	The lecture i	Theoreti
		components.	health	theory and	, practic
		Conditions of t	compone	practice	and
		school	•		quarter
		environment.			examina
		The importance			n
		of the school'			
		healthy			
		relationship wi			
	-	the communit			
(9	2	Procedures	Inspectio	The lecture 1	Theoreti
		followed in	of the	theory and	, practic
		inspecting the	school	practice	and
		school	environm		quarter
		environment.	t		examina
		Drinking wate			n
		General			
		conditions -			
		Sample collecti			
		and analysis Sopitory focilit			
		Sanitary facilit			

(1	2	Initial	Initial	The lecture i	Theoreti
,		examination	examinat	theory and	, practio
		procedures fo	n	practice	and
		new students	procedur	1	quarter
		(sight, hearing	for new		examina
		speech, and	student		n
		physical			
		examination			
		Physical			
		disabilities -			
		primary eye ar			
		dental care			
(1	2	Prevention an	Preventie	The lecture i	Theoreti
		control of	and contr	theory and	, practic
		communicabl	of	practice	and
		diseases	communi		quarter
		Principles of	ble diseas		examina
		prevention -			n
		Types of			
		prevention			
(1	2	Some	Some	The lecture i	Theoreti
		communicabl	communi	theory and	, practic
		diseases - mum	ble diseas	practice	and
		- measles -			quarter
		German measle			examina
		symptoms -			n
		prevention -			
		treatment			
(1	2	Some sexuall	Some	The lecture i	Theoreti
		transmitted	sexuall	theory and	, practic
		diseases (AIDS	transmitt	practice	and
		viral hepatitis	disease		quarter
		type B -			examina
		symptoms -			n
		prevention -			
		treatment).			
(1	2	Measures of	Measures	The lecture i	Theoreti
		health and	health ar	theory and	, practic
		disease -	disease	practice	and
		incidence rate			quarter
		diseases			examina
		Incidence - ra			n
		of spread of			
		diseases			

(1	2	Health administration introduction objectives	Health administr on	The lecture in theory and practice	Theoretic , practic and quarterl examina
11. Co	ourse Evaluat	tion			
Monthly t Monthly p Final theo	heoretical exa oractical exam retical exam 3	m 25 15+ 5 +Final practical	exam 25		
12. Le	arning and T	eaching Resour	ces		
Required	textbooks (cur	ricular books, if an	У)		
	Main reference	es (sources)			
Recomm	ended books a	and references (sci	entific		
	journals,	reports)			
Ele	ctronic Referen	nces, Websites			

	•	
13.	Course Name: Fundamentals of n	ursing
14.	Course Code: FNF	
1.1.		
15	Compostor / Voors First compostor	accord competer
15.	Semester / Year: First semester -	- second semester
16.	Description Preparation Date:19	/2/2024
17.Avai	lable Attendance Forms: Form of att	tendance: academic + practical
appl	ication $+$ on-site training (hospitals a	and health centers)
18.Num	ber of Credit Hours (Total) / Number	er of Units (Total)
4 ho	urs (2 theoretical + 2 practical)	
10	Course administrator's pame (n	nontion all if more than one name)
19. Nam	Course administrator s name (r	nendon all, il more than one hame)
Ema	il: aved.aned@atu.edu.ig	
	in a calance a calculut	
20.	Course Objectives	
	Course Objectives	• - General objectives:
		The student able to
		know the general
		information about
		Nursing . 2- Specific
		objective : • History
		of Nursing , Nursing
		, Nurse , Hospital its
		department, health
		agency in Iraq . \bullet
		Vital signs,
		Temperature,
		Respiration, Blood
		pressure & its
		⁺ methods. ●
		Administration of
		Medication as
		general ,& storage
		of drugs . • Methods

				- f	aiving 02
				10	giving O ₂ ,
				reci	reation from
				che	est, Arterial
				respir	ation Mouth to
				Mou	th. ● Normal
				feed	ing & gastric
				Lava	al. • Physical
				exa	mination &
				Labo	oratory test . \bullet
				Pre-p	post-operative
				care.	• First aid &
				Civ	il defiance.
				Mak	e practices in
				Collec	ction sample.
				FIISt	alu ili iluisilig
					f fractures
				wour	ids, bleeding,
				burn	is, poisoning,
					shock.
21.	Tea	ching and Learning S	trategies		
Strategy		Teaching and	learning methods		
		1- Theoretical	lecture method		
		2- Practical le	cture method		
		3- Method of d	discussion and dia	logue	
		22. C	ourse Structure		
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
(1)	2	First aid in		he lecture is	Theoretical,
		poratories and		heory and	practical and
l		Personal		practice	quarterly
		equipment			examination
		indamental of			
		Nursing.	Fundamental of		
		definition	Nursing		
		ursing, Nurse,			
		alth, Hospital.			
			- 19		

(2)	1	Administration 8-	dministration P	a lactura ia	Theoretical
(2) (3)	4	Administration & ischarge of patient om hospital, pt.chart ral report, written of report, Nursing rocess.(Assessing, planning, Implementation, Evaluation	scharge of patient from hospital	he lecture is heory and practice	ractical and quarterly examination
(4) (5)	4	ysical examination, prepare the pt. to am, role of Nurse in ysical examination, llection of samples, epare the equipment	Physical amination, prepare the pt	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(6)	2	Position of patient, atient lifting and its risks	motherhood and Childhood care	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(7) (8)	4	sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care. Bed sores, care of sores, causes & prevention of bed sores.	sic Needs of Pt	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(9) (10)	4	Method of erilization, surgical erilization, Medical terilization, kind of sinfectant Dressing he wound, kind of terilize of surgical equipment	Method of erilization Method of sterilization	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(11) (12)	4	tal signs, Definition Temperature, check emperature, Type of check Temp-oral, axllia, Rectal lefinition of fever,	Vital signs,	ne lecture is heory and practice	Theoretical, practical and quarterly examination

(13) (14)	4	causes, signs, & symptom, Nursing re of pyrexia, pulse, definition, factors fecting of pulse, site of taking pulse, irsing point in check pulse, Respiration, definition of spiration, definition of Blood pressure. finition of diastolic z systolic pressure. rug administration, fine of drug Type of administration of medication, and ijection, {I.M, I.V.,	rug administration	he lecture is heory and practice	Theoretical, practical and quarterly examination
		c, I.D, } cold & hot. ompress, nose eyes & ears drops			
(15)	2	M Giving fluid & lood by intravenous usion, role of Nurse giving intravenous infusion	ving fluid & Blood by intravenous infusion, .	ne lecture is heory and practice	Theoretical, practical and quarterly examination
		Secon	nd semester	-	
(1)	2	First aid in poratories and Personal protective equipment, indamental of Nursing, definition ursing, Nurse, alth, Hospital.	Fundamental of Nursing	he lecture is heory and practice	Theoretical, practical and quarterly examination

(2)	4	Administration &	Administration &	he lecture is	Theoretical,
(3)		ischarge of patient om hospital, pt.chart ral report, written of report, Nursing	scharge of patient from hospital	heory and practice	bractical and quarterly examination
		rocess.(Assessing, planning, Implementation, Evaluation			
(4) (5)	4	ysical examination, prepare the pt. to am, role of Nurse in ysical examination, llection of samples, epare the equipment	Physical amination, prepare the pt	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(6)	2	Position of patient, atient lifting and its risks	motherhood and Childhood care	he lecture is heory and practice	Theoretical, practical and quarterly examination
(7) (8)	4	sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care. Bed sores, care of sores, causes & prevention of bed sores.	sic Needs of Pt	he lecture is heory and practice	Theoretical, practical and quarterly examination
(9) (10)	4	Method of erilization, surgical erilization, Medical terilization, kind of sinfectant Dressing he wound, kind of terilize of surgical equipment	Method of erilization Method of sterilization	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(11) (12)	4	tal signs, Definition Temperature, check emperature, Type of check Temp-oral, axllia, Rectal lefinition of fever, causes, signs, & symptom, Nursing	Vital signs,	he lecture is heory and practice	Theoretical, practical and quarterly examination

		ra of puravia pulsa			
		definition factors			
		facting of pulse site			
		of taking pulse, site			
		of taking pulse,			
		irsing point in check			
		pulse, Respiration,			
		definition of			
		spiration, definition			
		of Blood pressure.			
		finition of diastolic			
		z systolic pressure.			
(13)	4	rug administration,	rug administration	he lecture is	Theoretical,
(14)		fine of drug Type of		heory and	practical and
		administration of		practice	quarterly
		medication, and			examination
		ijection, {I.M, I.V.,			
		c, I.D, } cold & hot.			
		ompress, nose eyes			
		& ears drops			
(15)	2	M Giving fluid &	ving fluid & Blood	he lecture is	Theoretical,
		lood by intravenous	by intravenous	heory and	practical and
		usion, role of Nurse	infusion, .	practice	quarterly
		giving intravenous	,	I	examination
		infusion			
(1)	2	First aid in		he lecture is	Theoretical,
		poratories and		heory and	practical and
		Personal		practice	quarterly
		protective		-	examination
		equipment,			
		indamental of			
		Nursing.			
		definition	Fundamental of		
		ursing Nurse	Nursing		
		alth Hospital			
		ann, mospitai.			
(2)	4	Administration &	Administration &	he lecture is	Theoretical,
~		ischarge of patient	scharge of patient	heory and	practical and
(3)				J	
(3)		m hospital. pt.chart	from hospital	practice	quarterly
(3)		om hospital, pt.chart ral report, written of	from hospital	practice	quarterly examination
(3)		om hospital, pt.chart ral report, written of report Nursing	from hospital	practice	quarterly examination

rocess.(Assessing , planning , Implementation , EvaluationPhysical mination, prepare the pt to am, role of Nurse in ysical examination, am, role of Nurse in ysical examination, epare the equipmentPhysical mination, prepare the ptTheoretica ractical ar quarterly examinatio(6)2Position of patient, atient lifting and its risksmotherhood and Childhood carete lecture is heory and practiceTheoretica aractical ar quarterly examinatio(7)4sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care. Bed sores, causes & prevention of bed sores.sic Needs of Pt electure is heory and practicerelecture is practice(9)4Method of erilization, surgicalMethod of prilization Methodme lecture is heory and practice	, d n , d <u>1</u> , d
Implementation , EvaluationPresident(4)4ysical examination, prepare the pt. to am, role of Nurse in ysical examination, illection of samples, epare the equipmentPhysical amination, prepare the pthe lecture is practiceTheoretical practice(6)2Position of patient, atient lifting and its risksmotherhood and Childhood carehe lecture is practiceTheoretical amination(7)4sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, 	, d n , d 1 , d
Implementation , EvaluationEvaluation(4)4vsical examination, prepare the pt. to am, role of Nurse in ysical examination, illection of samples, epare the equipmentPhysical amination, prepare the pte lecture is practiceTheoretical ar quarterly examination(6)2Position of patient, atient lifting and its risksmotherhood and Childhood caree lecture is heory and practiceTheoretical aractical ar quarterly examination(7)4sic Needs of Pt. care of Pt. unit, bed making, personal 	, d n , d <u>1</u> , d
(4)4ysical examination, prepare the pt. to am, role of Nurse in ysical examination, ellection of samples, epare the equipmentPhysical amination, prepare the pthe lecture is heory and practiceTheoretical ractical ar quarterly examination(6)2Position of patient, atient lifting and its risksmotherhood and Childhood carehe lecture is heory and practiceTheoretical aractical ar 	, d n , d <u>n</u> , d
(5)prepare the pt. to am, role of Nurse in ysical examination, llection of samples, epare the equipmentamination, prepare the ptheory and practiceractical ar quarterly examination(6)2Position of patient, atient lifting and its risksmotherhood and Childhood carehe lecture is heory and practiceTheoretical aractical ar quarterly examination(7)4sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care. Bed sores, care of 	d n , d <u>1</u> , d
am, role of Nurse in ysical examination, llection of samples, epare the equipmentthe ptpracticequarterly examination(6)2Position of patient, atient lifting and its risksmotherhood and Childhood carehe lecture is heory and practiceTheoretical aractical ar practice(7)4sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care.sic Needs of Pt 	n , d <u>n</u> , d
Image: Second systemSystemSystemSystemSystemSystem(6)2Position of patient, atient lifting and its risksmotherhood and Childhood carehe lecture is heory and practiceTheoretical practical ar quarterly examination(7)4sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care. Bed sores, causes & prevention of bed sores.sic Needs of Pt 	n , d <u>n</u> , d
(6)2Position of patient, atient lifting and its risksmotherhood and Childhood carehe lecture is heory and practiceTheoretica actical ar quarterly examinatio(7)4sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care. Bed sores, causes & prevention of bed sores.sic Needs of Pt 	, d <u>1</u> , d
(6)2Part into equipment particul attent lifting and its risksmotherhood and Childhood carehe lecture is heory and practiceTheoretica ractical ar quarterly examination(7)4sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care. 	, d 1 , d
atient lifting and its risksChildhood careheory and practiceractical ar quarterly examinatic(7)4sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care. Bed sores, care of sores, causes & prevention of bed sores.sic Needs of Pt 	d n , d
riskspracticequarterly examination(7)4sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care. Bed sores, causes & prevention of bed sores.sic Needs of Pt be lecture is 	n , d
(7)4sic Needs of Pt. care of Pt. unit, bed making, personal ygiene patient bath, outh and tooth care. Bed sores, care of sores, causes & 	n , d
 (7) 4 sic Needs of Pt. care sic Needs of Pt he fecture is Theoretica heory and practical ar practice quarterly giene patient bath, outh and tooth care. Bed sores, care of sores, causes & prevention of bed sores. (9) 4 Method of erilization, surgical prize prize patient bath, outh and practice prevention of bed sores. 	, d
(b)(c	u
 (9) 4 Method of erilization, surgical erilization Method heory and practice and practice of the solution of the s	
outh and tooth care. Bed sores, care of sores, causes & prevention of bed sores.(9)4Method of erilization, surgical(10)	n
Bed sores, care of sores, causes & prevention of bed sores.Bed sores, care of sores & sores.(9)4Method of erilization, surgicalMethod of erilization Methodheory and practical ar	
sores, causes & prevention of bed sores.sores, causes & prevention of bed sores.here(9)4Method of erilization, surgicalMethod of erilization Methodheory and practical articles	
prevention of bed sores.prevention of bed sores.(9)4Method of erilization, surgicalMethod of erilization Methodheory and practical aritical aritica	
(9)4Method of erilization, surgicalMethod of erilization Methodhe lecture is heory andTheoretical practical aritical	
(10) erilization, surgical erilization Method heory and practical ar	
	d
erilization, Medical of sterilization practice quarterly	
erilization, kind of examination	a
sinfectant Dressing	
ne wound, kind of terilize of surgical	
equipment	
23. Course Evaluation	
Monthly theoretical exam 25	
Monthly practical exam 15+	
24 Learning and Teaching Poscureos	
	r •
Required textbooks (curricular books, if any) -Salo Addas - Principles of Foundations - Ministry of H	urs1
Health Education Foundation	alth
Main references (sources) Fuerst fundamental of nur	alth n - 1
phaeladelphia 1976	ealth <u>n - 1</u> sing

Recommended books and references (scientific journals, reports)	Fundamentals of Nursing - Salw Abbas - Nazira Hussein - Sarah Dinkha - Ministry of Education Higher - Authority of Technical Institutes - 1989 Ahlam Farag, Elham Amin - Bas Principles in Nursing - Ministry of Higher Education and Scientific Research – 1986
Electronic References, Websites	

25. Co	ourse Name: Gener	ral Anatomy1+2		
26. Co	ourse Code: ANA			
27. Se	emester / Year: Fir	st semester – second semester		
28 D	ascription Propara	tion Date: $19/2/2024$		
20. D		1011 Date.17 /2/2024		
29.Availabl applicati	e Attendance Form on + on-site trainin	s: Form of attendance: academic + practical g (hospitals and health centers)		
30.Number	of Credit Hours (To	otal) / Number of Units (Total)		
4 hours	(2 theoretical + 2	practical)		
31. C	ourse administrate	or's name (mention all, if more than one name)		
Name: S	alina Abdel Abbas			
Email: d	r.salina8@gmail.co	<u>om</u>		
32. Co	ourse Objectives			
Course C	 Course Objectives General Goals : The students at the end of the Academic Year will have the ability to recognize all the parts of the human body anatomically . 2- Special Goals : The students will be able to : a-He can correlate between the functions and the anatomy of each part of the body. b- He can assist the medical doctor in diagnosis and treatment in some way , primarily and simply as necessary 			
33. Te	eaching and Learnin	ng Strategies		
Strategy	Teaching 1- Theore 2- Practica	and learning methods tical lecture method al lecture method		
	3- Method	l of discussion and dialogue		
	34	. Course Structure		
		26		

Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
(1)	2	roduction and letention of anatomy, rface anatomy of the body, anatomical sition, median plane	Introduction and cention of anatomy	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(2)	2	rface anatomy planes and rertical lines	Surface anatomy		
(3)	2	Tissues and cells ,types of cells which form different types of tissues , eg : ithelial , connective muscular , nervous tissues etc	Fissues and cells	he lecture is heory and practice	Theoretical, practical and quarterly examination
(4)	2	nes and joints :types f bone ,functions of bones ,parts of skeleton	Bones and joints	he lecture is heory and practice	Theoretical, practical and quarterly examination
(5)	2	eleton of upper limb general anatomical opearance ,skeleton of shoulder girdle :clavicle ,scapula imerus ,radius ,ulna ,skeleton of hand	keleton of upper limb	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(6)	2	eleton of lower limb general anatomical ppearance, skeleton f pelvis :hip bone,: um ,pubic, ischium , femur : leg ,:tibia fibula .skeleton of foot	keleton of lower limb	he lecture is heory and practice	Theoretical, practical and quarterly examination
(7)	2	unk skeleton :thorax , sternum , rips	Trunk skeleton	he lecture is heory and practice	Theoretical, practical and

					quarterly
					examination
(8)	2	Skull : general	Skull	he lecture is	Theoretical.
(-)		appearance		heory and	practical and
				practice	quarterly
				1	examination
(9)	2	ranium, lower jaw	Cranium	he lecture is	Theoretical,
		5		heory and	practical and
				practice	quarterly
					examination
(10)	2	Vertebral column:	Vertebral column	he lecture is	Theoretical,
		ypes of vertebra of		heory and	practical and
		each part		practice	quarterly
		-			examination
(11)	2	int: definition, types	Joints	he lecture is	Theoretical,
				heory and	practical and
				practice	quarterly
					examination
(12)	2	oints of upper and	Joints	he lecture is	Theoretical,
		wer limb and trunk		heory and	practical and
				practice	quarterly
					examination
(13)	2	Muscular system:	Muscular system	he lecture is	Theoretical,
		types of muscles,		heory and	practical and
		nuscles of head and		practice	quarterly
		face, general			examination
(1.4)	-	information		1	
(14)	2	iscles of upper limb:	Auscles of upper	he lecture is	Theoretical,
		limbo vertebral	limb	heory and	practical and
		muscles, limbo		practice	quarterly
		thoracic muscles,			examination
		muscles of the			
		nounder, muscles of			
		per arm, muscles or			
(15)	2	International In	useles of the lower	ha lactura ic	Theoretical
(13)		mb. muscles of the	limh	heory and	ractical and
		c region muscles of		practice	auarterly
		the gluteal region		practice	yuanting
		muscles of thigh			

(1)	2	Muscles of leg and foot	Iuscles of leg and foot	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(2)	2	uscles of the trunk , muscles of thorax perficial and deep), muscles of the domen , muscles of the back	Muscles of the trunk , muscles of thorax (superficial and deep), muscles of the abdomen , muscles of the back	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(3)	2	rvous system: brain , cerebrum , cerebellum , brain stem	Nervous system	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(4)	2	binal cord: verticals of brain	Spinal cord	he lecture is heory and practice	Theoretical, practical and quarterly examination
(5)	2	Peripheral nervous stem : cranial nerves number and function	eripheral nervous system	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(6)	2	Spinal nerves	Spinal nerves	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(7)	2	utonomic nervous system : parts and functions	utonomic nervous system	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(8)	2	Digestive system: buth and accessories harynx esophagus, stomach	Digestive system	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(9)	2	rdio vascular system : blood vessel in general	Cardio vascular system	he lecture is heory and practice	Theoretical, practical and quarterly examination
(10)	2	Blood and heart	Blood and heart	he lecture is heory and practice	Theoretical, practical and

	1		1	-		
					quarterly	
					examination	
(11)	2	Veins and arteries:	Veins and arteries	he lecture is	Theoretical,	
		ystemic circulation		heory and	practical and	
		eries thoracic aorta		practice	quarterly	
					examination	
(12)	2	bdominal aorta and	Abdominal aorta	he lecture is	Theoretical,	
		its branches	and its branches	heory and	practical and	
				practice	quarterly	
(10)				1	examination	
(13)	2	eins of the systemic	Veins of the	he lecture is	I heoretical,	
		rculation, veins of	systemic	heory and	practical and	
		wer limb, veins of	circulation,	practice	quarterly	
		abdomen	limb voing of		examination	
			abdomen			
(14)	2	ins of head and neck	Veins of head	he lecture is	Theoretical	
(14)	2	nnlied points veins	and neck	heory and	ractical and	
		and arteries	applied points	practice	quarterly	
		Imonary circulation	veins and arteries	practice	examination	
			. pulmonary			
			circulation			
(15)	2	mphatic system and	Lymphatic	he lecture is	Theoretical,	
		respiratory system	system and	heory and	practical and	
			respiratory	practice	quarterly	
			system		examination	
1. Co	ourse E	valuation				
Monthly t	heoretic	cal exam 25				
Monthly p	oractical	exam 15+				
Final theo	oretical e	exam 35 +Final practical	exam 25+			
2. Lear	ming ar	nd Teaching Resource	S			
Required	textbool	ks (curricular books, if any	()			
	Main references (sources)			ciple of anato	omy , Dr. Hani 7	
× ,			Al-A	Al-Azawi, 4 th edition, 1988. 2-		
			Princ	ciple of anator	my , Dr. Abdul-	
			Rahr	nan M. Abdu	l- Raheim & Dr.	
Ali K						
Recomm	ended b	ooks and references (scie	entific			
	jou	irnals, reports)				
Ele	ctronic F	References, Websites				

3. Course Name: Physiology			
A Course Code: PHV			
1 Course Code: DHV			
4. Course coue. Fill			
5. Semester / Year: First semester – second semester			
6. Description Preparation Date:19 /2/2024			
7. Available Attendance Forms: Form of attendance: academic + practical			
application + on-site training (hospitals and health centers)			
9 Number of Cradit Hours (Total) / Number of Units (Total)			
4 hours (2 theoretical + 2 practical)			
9. Course administrator's name (mention all, if more than one name	e)		
Name: Thanaa Abdulmahdi Mukheef			
10. Course Objectives			
Course Objectives 1-The student is able to k	now		
physiology of human body			
(Structure and functions)	1		
2- The 2-student is able to more clinical examination	o done		
Related with physiology	i ulai		
11. Teaching and Learning Strategies			
Strategy Teaching and learning methods			
1- Theoretical lecture method			
2- Practical lecture method			
3- Method of discussion and dialogue			
Week Hours Beguired Learning Unit or exhibit Learning	luotien		
Outcomes nome method	othed		
(1) 4 Sofety borotomy materials be lecture is Theory			
(1) 4 Salety poratory materials the fecture is inteored (2) brecautions bears and practic	al and		
m the hazards	erlv		
practice qual	nation		
f laboratory	lation		

(3) (4)	4	materials, nemicals and actricity. Cells efine – Types Structures of ells), Tissues efine, Types, Structures of tissues), scles (Define , Types, Structures of muscles) Blood – Functions – properties pmposition –	lood –Functions – properties composition		
		ood plasma – lood serum- Erythrocyte proprieties – apes-number –functions) oduction and egradation of			
(5)	2	Leukocyte (Types —Shapes number-functions)	Leukocyte	he lecture is heory and practice	Theoretical, practical and quarterly examination
(6)	2	moglobin-functions –normal value- composition Platelets(number- nctions) Coagulation of blood – anticoagulant	Platelets+ Hemoglobin	he lecture is heory and practice	Theoretical, practical and quarterly examination
(7)	2	rdiovascular system -heart- structure of heart – function – rdiac valves cardiac sycle – heart sound	Cardiovascular system	he lecture is heory and practice	Theoretical, practical and quarterly examination

(0)	2		Dlaad weeels	• • 1• • • • •	
(8)	2	ood vessels (arteries eins-capillary blood essels) properties – blood cycle (pulmonary &systemic)	Blood vessels	he lecture is heory and practice	Theoretical, practical and quarterly examination
(9)	2	Blood pressure – prmal value- factors effecting of blood pressure	Blood pressure	he lecture is heory and practice	Theoretical, practical and quarterly examination
(10)	2	espiratory system – ucture –expiration – inspiration – spiratory muscles – respiratory rate.	espiratory system.	he lecture is heory and practice	Theoretical, practical and quarterly examination
(11)	2	ulmonary volume – lmonary ventilation - regulation of gas change in blood by respiration.	ulmonary volume	he lecture is heory and practice	Theoretical, practical and quarterly examination
(12)	2	Urinary system – ructure – functions	Urinary system	he lecture is heory and practice	Theoretical, practical and quarterly examination
(13)	2	Inctions of kidneys- mposition of urine – st and stone in urine normal	nctions of kidneys	he lecture is heory and practice	Theoretical, practical and quarterly examination
(14)	2	r and eye (structure and functions)	Ear and eye	he lecture is heory and practice	Theoretical, practical and quarterly examination
(15)	2	Skin (Define, ructures, Functions)	Skin	he lecture is heory and practice	Theoretical, practical and quarterly examination
		Secor	nd semester		
(1)	2	igestive system and parts of it	Digestive system	he lecture is heory and practice	Theoretical, practical and quarterly examination

(2)	2	Stages of digestion (Oral, Stomach, Intestine). and igestives enzymes.	tages of digestion	he lecture is heory and practice	Theoretical, practical and quarterly examination
(3)	2	ntestinal functions and absorption	testinal absorption	he lecture is heory and practice	Theoretical, practical and quarterly examination
(4)	2	Digestive system glands (salivary glands, pancreas- Liver) structure – Functions	Digestive system glands	he lecture is heory and practice	Theoretical, practical and quarterly examination
(5)	2	Gallbladder – structures and functions	Gallbladder	he lecture is heory and practice	Theoretical, practical and quarterly examination
(6)	2	Stool formation	Stool formation	he lecture is heory and practice	Theoretical, practical and quarterly examination
(7) (8)	2	Nervous system – ructure – functions Central nervous ystem –peripheral nervous system	Nervous system	he lecture is heory and practice	Theoretical, practical and quarterly examination
(9)	2	he brain and spinal cord	e brain and spinal cord	he lecture is heory and practice	Theoretical, practical and quarterly examination
(10) (11)	2	fferent area in brain hich responsible for sense, movement, earing, smell, taste, sight.	area in brain	he lecture is heory and practice	Theoretical, practical and quarterly examination
(1 <u>2</u>) (13)	2	Endocrine glands ypes and functions)	Endocrine glands	he lecture is heory and practice	Theoretical, practical and quarterly examination
(14) (15)	2	eproductive system (male and female) ucture and functions	Reproductive system	he lecture is heory and practice	Theoretical, practical and quarterly examination

1. Course Evaluation		
Monthly theoretical exam 25 Monthly practical exam 15+ Final theoretical exam 35 +Final practical exam 2	5	
2. Learning and Teaching Resources		
Required textbooks (curricular books, if any)		
Main references (sources)	Guyton, A. C. and Hall, J. E. 20 Textbook of Medical Physiolog 11th Edition. Saunde Philadelphia. USA Bipin Kum 2001. Human Physiology. Camp Book International, New De	
Recommended books and references (scientific		
journals, reports)		
Electronic References, Websites		
35.	Course Name: Medical Mi	icrobiology 1
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36.	Course Code: BIO	
37.	Semester / Year: First sen	nester – second semester
38.	Description Preparation I	Date:19 /2/2024
20.4	111 A. 1 D. D.	
39.Ava	lable Attendance Forms: For f_{1}	m of attendance: academic $+$ practical spitals and health centers)
աթթո	field of a site training (not	pitais and nearth contens)
40.Nun	nber of Credit Hours (Total) /	Number of Units (Total)
4 ho	ours (2 theoretical + 2 practi	ical)
41.	Course administrator's n	ame (mention all, if more than one name)
Nan	ne: Prof.Dr. Saba Fadhil Ali N	/alaa
Ema	ail: sabafam6@atu.edu.iq	
42.	Course Objectives	
C	Course Objectives	 General objectives : Student will be able to know a simple general idea about : Pathogenes (Bacteria, fungi, parasites and viruses), the immunity and disease prevention Special objectives : Student will be able to : • To diagnose some simple cases in his field work, instead of specialest, when specielest is absent. • Do some tests in the labs. • Collect, preserve and transport the pathgenic samples. • Give an advice for disease prevention and control
43.	Teaching and Learning Str	ategies
Strategy	Teaching and lear 1- Theoretical lec	rning methods ture method
		36

		2- Practical lecture me	ethod				
		3- Method of discussion	on and dialogue				
Course Structure .٤٤							
Week	Hours	Required Learning Outcomes	Unit or subject	Learning	Evaluation		
			name	method	method		
(1)	2	story of microbiology, e of microorganism in world of the living & the branches of crobiology. Biological zards and how to deal with them, signs and warning signs in poratories, Disposal of aste from workshops 1 medical laboratories, Disposal of medical laboratory waste.	History of microbiology	e lecture theory and oractice	Theoretical, ractical and quarterly xamination		
(2)	2	Bacterial norphology,bacterial cell structure.	Bacterial morphology				
(3)	2	acterial requirement, growth curve	Bacterial requirement	e lecture theory and ractice	Theoretical, ractical and quarterly xamination		
(4)	2	Controle of microorganisms	Controle of nicroorganisms	e lecture theory and ractice	Theoretical, ractical and quarterly xamination		
(5)	2	Pathogenes of respiratory system	Pathogenes of spiratory system	e lecture theory and ractice	Theoretical, ractical and quarterly xamination		
(6)	2	Pathogenes of digestive system.	Pathogenes of igestive system.	e lecture theory and ractice	Theoretical, ractical and quarterly xamination		
(7)	2	Pathogenes of urinary and sexual systems	Pathogenes of inary and sexual systems	e lecture theory and ractice	Theoretical, ractical and quarterly xamination		
(8)	2	Food poisoning.	ood poisoning.	e lecture theory	Theoretical, ractical and		

				and	quartarly
				and	quarteriy
$\langle 0 \rangle$	-			ractice	xamination
(9)	2	contamination of hospitals.	ontamination of	e lecture	heoretical,
			hospitals.	theory	ractical and
				and	quarterly
				ractice	xamination
(10)	2	eneral characters of fungi.	eneral characters	e lecture	Theoretical,
			of fungi .	theory	ractical and
				and	quarterly
				ractice	xamination
(11)	2	Fungal diseases.	fungal diseases.	e lecture	Theoretical,
				theory	ractical and
				and	quarterly
				ractice	xamination
(12)	2	he viruses, shapes, sizes &	The viruses	e lecture	Theoretical,
		some viral diseases		theory	ractical and
				and	quarterly
				ractice	xamination
(13)	2	Introduction of parasites.	parasites.	e lecture	Theoretical,
			-	theory	ractical and
				and	quarterly
				ractice	xamination
(14)	2	Protozoa, Entamoeba	Protozoa	e lecture	Theoretical,
		histolytica		theory	ractical and
		5		and	quarterly
				ractice	xamination
(15)	2	Flagellates, Giardia.	Flagellates	e lecture	Theoretical.
		Trichomonase .	e	theory	ractical and
				and	quarterly
				ractice	xamination
	1	Second ser	nester		
(1)	2	ood flagellates. Leishmania.	lood flagellates.	e lecture	Theoretical.
(-)			Leishmania.	theory	ractical and
				and	quarterly
				ractice	xamination
(2)	2	Sporozoa Plasmodium	Sporozoa	e lecture	Theoretical
(-)		Toxoplasma	SporoLou	theory	ractical and
		i oxopiusina.		and	quarterly
				ractice	xamination
(3)	2	Helimenthes Teenie	Helimenthes	e lecture	Theoretical
(\mathbf{J})			Taonia	theory	ractical and
				and	actical allu
				anu	quarterry
				nactice	ланшацоп

(4)	2	Echinococcus granulosis.	Echinococcus	e lecture	Theoretical,
			granulosis.	theory	ractical and
				and	quarterly
				ractice	xamination
(5)	2	Hymenolipes nana	ymenolipes nana	e lecture	Theoretical,
				theory	ractical and
				and	quarterly
				ractice	xamination
(6)	2	Trematoda helminthes	Trematoda	e lecture	Theoretical,
			helminthes	theory	ractical and
				and	quarterly
				ractice	xamination
(7)	2	Trepanoma ,Schistosomes	Trepanoma	e lecture	Theoretical,
			,Schistosomes	theory	ractical and
				and	quarterly
				ractice	xamination
(8)	2	Bacterial genetics	acterial genetics	e lecture	Theoretical,
		C	C	theory	ractical and
				and	quarterly
				ractice	xamination
(9)	2	hmunty and immune system	Immunty	e lecture	Theoretical,
. ,				theory	ractical and
				and	quarterly
				ractice	xamination
(10)	2	Antibody & antigen .	ntibody & antigen	e lecture	Theoretical,
				theory	ractical and
				and	quarterly
				oractice	xamination
(11)	2	ntibody & antigen reactions	Antibody	e lecture	Theoretical,
			&antigen	theory	ractical and
			reactions	and	quarterly
				ractice	xamination
(12)	2	Hypersensitivity	Hypersensitivity	e lecture	Theoretical,
			•	theory	ractical and
				and	quarterly
				oractice	xamination
(13)	2	Autoimmune diseases	Autoimmune	e lecture	Theoretical,
			diseases	theory	ractical and
				and	quarterly
				ractice	xamination
(14)	2	iscussion of course material	Discussion of	e lecture	Theoretical,
			course material	theory	ractical and

				1	1
				and	quarterly
				ractice	xamination
(15)	2	iscussion of course material	Discussion of	e lecture	Theoretical,
			course material	theory	ractical and
				and	quarterly
				ractice	xamination
13.	С	ourse Evaluation			
Monthly	v theore	tical exam 25			
Monthly	practic	al exam 15+	_		
Final the	eoretica	l exam 35 +Final practical exam 2	5		
14. L	.earning	g and Teaching Resources			
Req	uired tex	tbooks (curricular books, if any)			
	Ма	in references (sources)	- Michael J.	Leboffe.	(2002).
			Microbiolog	gy: Labora	ntory
			eory & App	lication, E	Brief 3e
			Brd Edition 2	2- P.C. Tri	vedi,
			Sonali Pa	ndey, Seei	na
			adauria. 20	10. TEXT	BOOK
			OF MICR	OBIOLOC	GY.
			Aavishka	r Publishe	rs,
			Distributors.	ISBN 973	8-81-
			7910-306-	7. 3- Subh	ash
			andra Parija	a. 2012. Te	extbook
			of Micro	biology an	
			Immunolog	y, 2 nd edi	tion.
			Els	sevier	
Recomn	nended t	books and references (scientific jou	irnais,		
		reports)			
	Electro	onic References, Websites			

	Cour	se Description Form
45. Cou	rse Name: Biosta	atic1+2
46. Cou	rse Code: BIOS	
17 Som	actor / Voor: Fire	st semester - second semester
47. 5011		
48. Des	cription Prepara	tion Date:19 /2/2024
40 4 111	A.u. 1	
49.Available application	Attendance Forms $n + on-site training$	g (hospitals and health centers)
50.Number of 2 hours (t	f Credit Hours (To beoretical)	otal) / Number of Units (Total)
2 110013 (t	neoreneary	
51. Cou	urse administrato	or's name (mention all, if more than one name)
Name: Qu Email: qus	say Abdulhamza say.muttaleb@atu	Muttaleb .edu.iq
52. Cou	rse Objectives	
Course Obj	ectives	 Objectives of the article- : At the end of the school year, the student will be able to process and analyze statistical data and reach conclusions. The correct one. The student will be able to: Special: -Dealing with statistical data. -Dealing with and knowing life and health statistics. -Organizing the statistical form and the health form related to daily incidents such as births, deaths, and diseases.
53. Tea	ching and Learnir	ng Strategies
Strategy	Teaching a <u>1- Theor</u> et	and learning methods tical lecture method
		41

		2- Practical lec	cture method	loguo	
		54. Co	ourse Structure	logue	
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
(1) (2)	4	Introduction to statistics and its types, samples, variables, classified and unclassified data.	Definition of Statistics	he lecture is theory	Monthly and arterly exam
(3) (4)	4	Representing frequency distributions "classified data" - graphical display methods (frequency histogram, frequency curve, frequency polygon)	Representing Frequency Distributions	he lecture is theory	Monthly and arterly exam
(5) (6) (7)	6	- Measures of central tendency - Arithmetic mean Mediator The loom.	Measures of Central Tendency	he lecture is theory	Monthly and arterly exam
(8)	2	Methods of selecting statistical samples, their meaning and reasons for choosing them.	Display Statistical Data	he lecture is theory	Monthly and arterly exam
(9) (10)	4	Preparing a questionnaire form for health and medical research.	Questionnaire	he lecture is theory	Monthly and arterly exam

(4.4)					
(11)	2	Definition of health statistics and its sources.	Health Statistics	he lecture is theory	Monthly and arterly exam
(12) (13) (14)	6	Biostatistics: - The concept of ratio and rate - Death statistics - Birth statistics	Biostatistics	he lecture is theory	Monthly and arterly exam
(15)	2	Statistics of causes of death) medical certificate, obituary, death, death certificate	Statistics	he lecture is theory	Monthly and arterly exam
		Secon	d semester	1	1
(1)	4	Scientific research	Scientific	he lecture is	Monthly and
(2)		(the purpose of the research and what are the ambitions for conducting it)	Research	theory	arterly exam
(3)	2	Ethics of scientific research	Research Ethics	he lecture is theory	Monthly and arterly exam
(4)	2	Structure of scientific research	Research Elements	he lecture is theory	Monthly and arterly exam
(5)	2	Types of statistical studies	Types of studies	he lecture is theory	Monthly and arterly exam
(6) (7)	4	Research basics (statistical method) -Technology with data- Data collection plan – data analysis - Festing and ethical	Research Basics	he lecture is theory	Monthly and arterly exam

					-	
(8)	6	Preparing the	Pre	paring the	he lecture is	Monthly and
(9)		questionnaire form		Form	theory	larterly exam
(10)						
(11)	2	How to transcribe questionnaires and convert them into classified statistical data	Que an ti S	estionnaires d Turning hem into tatistics.	he lecture is theory	Monthly and arterly exam
(12) (13)	4	How to start scientific research (choosing the title, objectives, type of samples)	H s	low to do cientific research	he lecture is theory	Monthly and arterly exam
(14) (15)	4	Some applications used in scientific research.	Ex Ap	amples of Search oplications	he lecture is theory	Monthly and arterly exam
15.	Cou	rse Evaluation			-1	
Monthly t Final theo	heoretica retical ex	al exam 40 xam 60				
16. Le	arning a	and Teaching Resource	es			
Required	textbook	s (curricular books, if any	')	Adnan Sh	aker Al-Ruba	ie -
		,	,	nciples of st e field of pu	atistics and it blic health / N	s uses in ⁄Iinistry
				of	Health 1	
Main references (sources)			 1- W.DIXON and F. massey ntroduction to statistical Analysis Paul G. Hoel Introduction to mathematical statistics 			
Recomm	ended bo	ooks and references (scie	entific	1-B	anderford Hil	1. Fundamental
journals, reports)				Biostatis	tics 1975	
jeanaic, repercenty				2 -	F. Margrette Public	-Fundamental in health
Ele	ctronic R	eferences, Websites				
í				L		

Course Decorintie

Course Description Form				
55.	Course Name: Clinical	Chemistry1+2		
56.	Course Code: BIOC			
57.	Semester / Year: First	semester – second semester		
50		D. I. 10 /0/2024		
58.	Description Preparation	on Date:19 /2/2024		
59.Ava app	ailable Attendance Forms: olication + on-site training	Form of attendance: academic + practical (hospitals and health centers)		
60.Nu	mber of Credit Hours (Tota	al) / Number of Units (Total)		
4 h	ours (1 theoretical + 3 pr	actical)		
61.	Course administrator	s name (mention all, if more than one name)		
Nai Em	me: Najlaa Jawad hasani ail: njlaajawad66.iba@atu	.edu.iq		
62.	Course Objectives			
ırse Objectiv	res	 Objectives of the article: general aims: 1 (The student knows what clinical chemistry is, its principles and its importance in the field of medicine. 2 (It measures the chemical components in the human body in the laboratory. Special goals: That the student will be able to: 1 (Knows clinical chemistry. 2 (He knows the chemical compounds present in the human body and the sources of them formation in the body. 		

		 3 (K ch 4 (R can o 	Knows the nor emical compo- blood ecognize the occur to these abnormal	rmal ratios of ounds in the 1. variables that compounds in cases.
		 5 (com to m Func bod 	It uses the lev pounds in the easure the eff tional perform ly organs suc	vels of these e blood serum ficiency of the nance of some h as the liver
		 6 (Dittern Cont 7 (Krimeth 8 (Uiter) 8 (Uiter) Chenin of the second second	agnoses vario ns of changes the levels of pounds in bl body flu now the differ ods that are u chemistry lab ses devices th ical chemistry) Measures th nical compon diagnosing di	bus diseases in that occur at of these ood and other nids. rent laboratory used in clinical poratories. hat are used in y laboratories he levels of ents important seases in the
63. Tea	aching and Learning St	rategies	01000 1000	fatory:
Strategy	Teaching and le 1- Theoretical l 2- Practical lect 3- Method of di	earning methods ecture method cure method scussion and dialo	ogue	
	64. Co	ourse Structure		
Week Hours	Required Learning	Unit or subject	Learning	Evaluation
(1) 2	afety standards en establishing r establishing vorkshops and	name Safety of laboratories	method he lecture is heory and practice	method Theoretical, practical and quarterly examination

		scientific			
		laboratories.			
		asic equipment			
		be available in			
		laboratories.			
		Safety			
		ecautions from			
		he hazards of			
		laboratory			
		materials,			
		hemicals and			
		electricity.			
		emical hazards			
		nd how to deal			
		with them,			
		diation hazards			
		nd how to deal			
		with them			
(2)	2	ntroduction to	Introduction to	he lecture is	Theoretical,
		analytical	alytical chemistry	heory and	practical and
		chemistry -		practice	quarterly
		methods of		I	examination
		expressing			
		solution			
		procentrations -			
		molar			
		oncentration -			
		standard			
		oncentration -			
		nercent			
		oncentration -			
		methods of			
		dilution and			
		reparation of			
		laboratory			
(3)	2	-Hydrogen	-Hydrogen	he lecture is	Theoretical
(\mathbf{J})		ncentration (nH) - the	ncentration (nH)	heory and	ractical and
		importance of the	procentiation (pri)	nractice	quarterly
		drogen concentration		practice	yuanting
		the human body the			Aannauon
		drogen concentration			
		of the blood buffer			
		pi ule bloba - buller			
		solutions - their			

	1	· · · ·			
		operties and methods			
		of preparation			
(4)	2	alytical methods used	nalytical methods	he lecture is	Theoretical,
		n clinical chemistry	used in clinical	heory and	practical and
		oratories - qualitative	chemistry	practice	quarterly
		nalysis - quantitative	laboratories		examination
		analysis - types of			
		uantitative analysis			
(5)	2	Chromatography -	Chromatography	he lecture is	Theoretical,
		Types of		heory and	ractical and
		comatography - Beer's		practice	quarterly
		v - BeerLambert's law			examination
		– Stand			
(6)	2	Definition of	Definition of	he lecture is	Theoretical,
		biochemistry -	biochemistry	heory and	ractical and
		Definition of clinical		practice	quarterly
		emistry - Body fluids			examination
		d their importance in			
		conducting clinical			
		emistry tests - Urine -			
		Urine collection and			
		ethods of preservation			
		The formation of urine			
		n the human body -			
		Normal rate of urine			
		cretion - Definition of			
		excessive urine -			
		efinition of poor urine			
		Definition of lack of			
		urine			
(7)	2	atural and unnatural	Urine	he lecture is	Theoretical,
		pmponents of urine -		heory and	practical and
		neral urine analysis -		practice	quarterly
		linical importance -			examination
		rinary system stones			
		d their types - and the			
		reasons for their			
		formation			
(8)	2	pod - blood collection	Blood	he lecture is	Theoretical,
		plood plasma - blood		heory and	practical and
		erum - the difference		practice	quarterly
		petween plasma and			examination
		erum and how to get			
					•

					1
		anticoagulants - the			
		pst important types of			
		nticoagulants used in			
		clinical chemistry -			
		recipitation of blood			
		pteins - the purpose of			
		recipitation of blood			
		proteins when			
		conducting some			
		nical chemistry tests -			
		The most important			
		blood protein			
		brecipitators used in			
		clinical chemistry			
(9)	2	Electrolytes - the	Electrolytes	he lecture is	Theoretical
(-)	_	importance of	21001019005	heory and	ractical and
		electrolytes in the		practice	auarterly
		iman body - types of		practice	vamination
		ectrolytes - sodium -			Admination
		its metabolism its			
		function its clinical			
		nortance notassium			
		ita matahalian ita			
		its metabolism - its			
		unction - its clinical			
		nportance - chloride -			
		its metabolism - its			
		unction - its clinical			
(1.0)		importance	2		
(10)	2	llcium - Metabolism -	- types of	he lecture is	Theoretical,
		Function - Clinical	electrolytes	heory and	practical and
		Importance -		practice	quarterly
		Phosphorous -			examination
		etabolism - Function -			
		Inical Importance -			
		Iron - Metabolism -			
		Function - Clinical			
		Importance			
(11)	2	Carbohydrate	Carbohydrate	he lecture is	Theoretical,
		compounds - their	-	heory and	ractical and
		sources - their		practice	quarterly
		assification - glucose		1	examination
		sugar - glucose			
		hetabolism - glucose			
	1		1		
		vel in blood - factors			

		that maintain blood			
		unat mannani Dioou			
		nificance of alterna			
		nificance of glucose -			
		renal threshold and			
(1.0)	-	urine glucose level			
(12)	2	Diabetes mellitus -	Plabetes mellitus	he lecture is	Theoretical,
		alternative energy -		heory and	practical and
		urces of its formation		practice	quarterly
		- ketone bodies -			examination
		acidification of the			
		blood			
(13)	2	ucose tolerance test -	lucose tolerance	he lecture is	Theoretical,
		eparing the patient for	test	heory and	ractical and
		the test - the most		practice	quarterly
		important glucose			examination
		tolerance charts -			
		ormal chart - diabetes			
		nellitus chart - poor			
		orage process chart -			
		flat chart - diabetes			
		urine chart			
(14)	2	Fats - classification -	Fats	he lecture is	Theoretical,
		id metabolism - lipids		heory and	ractical and
		blood plasma - fatty		practice	quarterly
		acids		1	examination
(15)	2	holesterol - chemical	Cholesterol	he lecture is	Theoretical,
		prmula - presence of		heory and	practical and
		olesterol - cholesterol		practice	quarterly
		tabolism - cholesterol		Provenue	examination
		osynthesis - function			
		of cholesterol in the			
		uman hody - clinical			
		significance of			
		cholesterol			
		Secon	l d semester		1
(1)	2	iglycerides - types of	Triolvcerides	lecture is	Theoretical
(1)		triolycerides - their		heory and	ractical and
		rlinical significance		nractice	allarterly
		similar significance		practice	yuanting
(2)	2	Drotaing protain	Drotains	ha lactura is	Theoretical
(2)		riotenis - protein	FIOLEIIIS	hoomy and	i neoretical,
		ucture - amino acids -		neory and	practical and
			1	приснее	uuarteriv
		properties of amino		practice	
		roperties of amino rids - union of amino		practice	examination

			T	T	T
		eptide bond - Zwitter			
		ion			
(3)	2	Classification of	Classification of	he lecture is	Theoretical,
		roteins in the human	proteins	heory and	practical and
		body - insoluble		practice	quarterly
		proteins - soluble			examination
		oteins - blood plasma			
		proteins - serum			
		oteins - functions and			
		nportance of proteins			
		n the human body -			
		inical significance of			
		ptal protein in serum			
(4)	2	Techniques used to	eparate of blood	he lecture is	Theoretical,
		parate different types	-	heory and	practical and
		of blood proteins -		practice	quarterly
		Electrophoresis of			examination
		um proteins - Factors			
		affecting the			
		ctrophoresis process -			
		Fypes of supporting			
		media - Separation			
		nethod - Methods for			
		reading the results			
(5)	2	Jon-protein nitrogen	rotein compounds	he lecture is	Theoretical,
		mpounds - their types		heory and	practical and
		the human body - uric		practice	quarterly
		cid - the biosynthesis			examination
		uric acid - the clinical			
		portance of uric acid -			
		ea - the biosynthesis			
		of urea - the clinical			
		importance of urea			
(6)	2	Creatine - Creatine	Creatine	he lecture is	Theoretical,
		osynthesis - Clinical		heory and	practical and
		nificance of creatine -		practice	quarterly
		reatinine - Creatinine			examination
		osynthesis - Clinical			
		significance of			
		eatinine - Creatinine			
		clearance test			
(7)	2	Liver function tests -	Liver	he lecture is	Theoretical,
(8)		ver - liver function -		heory and	practical and
		linical signs of liver		practice	

		portant hormones and eir functions and the			examination
(14)	2	Iormones - nature of hormones - their functions - some	Hormones	he lecture is heory and practice	Theoretical, practical and quarterly
(13)	2	Vitamins - their ssification - Vitamins (A - B - C - D) their espective functions - and their sources	Vitamins	he lecture is heory and practice	Fheoretical, practical and quarterly examination
(12)	2	Amylase and lipase - operties, functions and inical significance of each	Amylase	he lecture is heory and practice	Theoretical, practical and quarterly examination
(11)	2	Ikaline phosphatase and acid gosgatase - operties, functions and inical significance of each	ypes of Enzymes	he lecture is heory and practice	Fheoretical, practical and quarterly examination
(10)	2	jaundice - pigment xcretion in different ses of jaundice - liver function tests importances zymes - Functions of nzymes in the body - Classification of enzymes - Factors ffecting the work of nzymes - The basic bstance on which the nzyme works - How bes an enzyme work - DT & GPT enzymes - operties and function each and its clinical importance	Enzymes	heory and practice	ractical and quarterly examination Fheoretical, practical and quarterly examination
(9)	2	bilirubin - osynthesis and fate of bilirubin	Jaundice	he lecture is	examination

(15)	2 introduction to PCR chnique (Polymerase chain reaction) - finition - importance – uses	Introduction to PCR	he lecture is heory and practice	Theoretical, practical and quarterly examination
17.	Course Evaluation			
Monthly Monthly Final theo 18. Le	heoretical exam 25 practical exam 15+ pretical exam 35 +Final practical ex earning and Teaching Resource	xam 25 es		
Require	d textbooks (curricular books, if any)		
	Main references (sources)	- Pr Muh Tech 2 (C Muh Tech 3 (P Muh Tech 3 (P Muh Tech 4 (C Abd May Edu 5 (C stud Zaic Auth 6 (L equi Abu Auth 7 (A Saji Edu 24 Fun Nor Clin Gar Basi labo	1) Clinical Cl nammad Fath hnical Educat clinical Chem nammad Ram hnical Educat ractical Clini nammad Ram hnical Educat fractical Clini nammad Ram hnical Educat cation Autho Quality contro ents / Sayed 1 / Technical hority aboratory and ipment / Sayed 1 / Technical hority aboratory and ipment / Sayed 1 / Technical hority analytical Che da Abdel Han cation Autho damental of c bert Tietz)8 hical chemical y)9 ic Techniques	hemistry / i Al-Hawari / tion Authority istry Binding / nzi Al-Omari / tion Authority cal Chemistry / nzi Al-Omari / tion Authority istry / Saiba a Salman - an / Technical rity of for pharmacy Muhammad Aby Education d pharmaceutica ed Muhammad nical Education emistry / Dr. mid / Technical rity clinical chemistr l pathology / G.1 s for the medica Jorgenas

Recommended books and references (scientific	
journals, reports)	
Electronic References, Websites	

65.	Соі	arse Name: Computer A	Applications(1)+(2)	
66.	Соі	urse Code: CAI			
67.	Ser	nester / Year: First sem	nester – second se	emester	
68.	Des	scription Preparation D	Date:19 /2/2024		
69.Av	vailable	Attendance Forms: Form	m of attendance: a	cademic + pr	actical
ap	plicatio	n + on-site training (hos	pitals and health c	enters)	
70 N	1	f C == 1't H ==== (T = t = 1) /	Normali e a c e e e e e e e e e e e e e e e e e	$(\mathbf{T}_{-4}, 1)$	
/U.NI 3	umber o hours (1 theoretical + 2 practi	Number of Units ((Total)	
J	liours (i incorcticar + 2 practi	carj		
71.	Со	urse administrator's na	ame (mention all	, if more tha	in one name)
Na	ame: Al	LI MOHAMMED ABD	UL MAJEED		
Er	nail: <u>ali</u>	.majed@atu.edu.iq			
72.	Cou	urse Objectives			
urse Objecti	ives		• The	student must	be able to use
			a coi	nputer, be fai	miliar with its
			use, its sc	and understa	nd now to use
73.	Tea	aching and Learning Stra	ategies	jit ware	
Strategy	,	Teaching and lea	arning methods		
		1- Theoretical le	ecture method		
		2- Practical lectu	ure method		
		3- Method of dis	cussion and dialo	ogue	
		74. Cou	urse Structure		
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
(1)	2	An introduction	Introduction to	e lecture is	Theoretical,
		computers:	computers: its	heory and	practical and
		generations - the	generations	practice	quarterly
		components:			examination
		hardware and			
		software - (syste			
			55		

		software and			
		application			
		programs).			
(2)	2	MS-DOS	S MS-DOS:		
		operating system	perating System		
		the concept of t	Concept		
		operating system			
		system referenc			
		disks - directori			
		their levels and			
		files - internal			
		operating system			
		commands - an			
		external			
		commands (th			
		most commonl			
		used commands			
3-12)	10	Internal operation	ternal operating	e lecture is	Theoretical,
		system comman	stem commands	heory and	practical and
		Internal		practice	quarterly
		commands: Dir			examination
		Del – Time – Da			
		-Cls - RD - CI			
		MD - Echo - R			
		-Copy-Vol			
		Ver – Path			
3-15)	3	Windows	indows operating	he lecture is	Theoretical,
		operating system	system	heory and	practical and
		The concept of t		practice	quarterly
		Windows syster			examination
		its advantages -			
		basic requirement			
		- operating the			
		system			
		Second	semester	1	1
1-12)	12	Desktop main	I The concept of	he lecture is	Theoretical,
		screen compone	e window for any	heory and	practical and
		- the concept o	program and	practice	quarterly
		the icon - how	entifying its main		examination
	1 1	deal with means	Laomnonanta	1	1

activities - the			
importance and			
components of t			
Task Bar - maki			
use of Start to			
enter programs			
the concept of			
loaded tasks -			
exiting the syste			
and turning off t			
calculator			
Shut Down.			
Take advantage			
the Run option			
execute program			
directly, as well			
switch to the M			
DOS operating			
system signal a			
deal with its			
commands.			
dealing with			
Paint is a drawi			
program for			
creating, saving			
and retrieving			
drawings throug			
the commands			
provides.			
Working with t			
NotePad and			
WordPad note			
window to writ			
save, retrieve,			
print texts, and			
change their			
printing style ar			
format.			
Use entertainme			
programs such			
Window medi			
player to play			
movies			
	components of t Task Bar - maki use of Start to enter programs the concept of loaded tasks - exiting the syste and turning off t calculator Shut Down. Take advantage the Run option execute progran directly, as well switch to the M DOS operating system signal a deal with its commands. dealing with Paint is a drawi program for creating, saving and retrieving drawings throug the commands provides. Working with t NotePad and WordPad note window to writ save, retrieve, print texts, and change their printing style an format. Use entertainme programs such Window medi player to play movies	components of t Task Bar - maki use of Start to enter programs the concept of loaded tasks - exiting the syste and turning off t calculator Shut Down. Take advantage the Run option execute program directly, as well switch to the M DOS operating system signal at deal with its commands. dealing with Paint is a drawi program for creating, saving and retrieving drawings throug the commands provides. Working with t NotePad and WordPad note window to writ save, retrieve, print texts, and change their printing style at format. Use entertainme programs such Window medi player to play movies	components of t Task Bar - maki use of Start to enter programs the concept of loaded tasks - exiting the syste and turning off t calculator Shut Down. Take advantage the Run option execute program directly, as well switch to the M DOS operating system signal at deal with its commands. dealing with Paint is a drawi program for creating, saving and retrieving drawings throug the commands provides. Working with t NotePad and WordPad note window to writ save, retrieve. print texts, and change their printing style at format. Use entertainme programs such Window medii player to play movies

					1
		Take advantage			
		additional			
		Accessories			
		programs such			
		the Calculator			
		The concept of the			
		window for any progra			
		and learning about it			
		main components -			
		Dealing with desktor			
		icons Getting to know			
		the components of M			
		Computer in terms o			
		disks - folders and file			
		How to deal with -			
		Formatting floppy disk			
		Copying folders and fi			
		- Taking advantage o			
		cutting and pasting an			
		knowing the propertie			
		of disks, folders and fi			
		- Dealing with The tra			
		can and how to delet			
		and retrieve files throu			
		what the trash can			
		provides in this aspec			
13-15)	3	The concept of	Computer virus	he lecture is	Theoretical,
		computer viruse	concept	heory and	ractical and
		how to get		practice	quarterly
		infected - their			examination
		types, treatment.			
		and dealing with			
		them through an			
		virus programs			
		available within			
		the Windows			
		operating system			
		environment			
19.	Cou	urse Evaluation			
Monthly t	theoretic	al exam 25			
Monthly	practical	exam 15+			
Final theo	oretical e	exam 35 +Final practical ex	am 25+		
			58		
			20		

20. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	Principle of anatomy , Dr. Hani Al-Azawi , 4 th edition , 1988. 2- Principle of anatomy , Dr. dul-Rahman M. Abdul- Raheim & Dr. Ali K
Recommended books and references (scientific	
journals, reports)	
Electronic References, Websites	

75.	Course Name: Human	Rights & Democratic
76.	Course Code: HRD	
77.	Semester / Year: seco	and semester
78.	Description Preparati	on Date:19 /2/2024
79.Avail	able Attendance Forms:	Form of attendance: academic + practical
appli	cation + on-site training	
80.Num	ber of Credit Hours (Tot	al) / Number of Units (Total)
2 hou	urs (2 theoretical)	· · · · · · · · · · · · · · · · · · ·
04	Course edministrator	
81. Nam	Course administrator	s name (mention all, if more than one name)
Emai	l: zaid.bermany@atu.edu	1.iq
82.	Course Objectives	
ırse Objectives		 General objectives: At the end of the academic year: 1 /The student learns about the principles and values of human rights, introduces them, and educates him or her to respect and adhere to them. 2 /Learn about public freedoms and what these freedoms are in their details. Specific objectives: 1 /The student learns about continuous awareness of human rights and the fundamental freedoms associated with them. 2 /Fights everything that aims to ignore it, undermine its sanctity.

		I d	earn about the conc emocracy and its re .to public freed.	cept of /3 • lationship oms	,
83.	Теа	aching and Learning St	rategies		
Strategy	,	Teaching and lea 1- Theoretical le 2- Method of dis Course	arning methods ecture method ecussion and dialog	gue	
Week	Hours	Required Learning		Learning	Evaluation
Week	nours	Outcomes	name	method	method
(1)	2	Human rights - heir definition - their goals Human rights in ancient civilizations, especially the Mesopotamian civilization	Iuman rights - heir definition - their goals	e lecture is theory	Anthly and arterly exam
(2)	2	Human rights in vine laws, with a ocus on human rights in Islam	Human rights in divine laws,	e lecture is theory	Monthly and arterly exam
(3)	2	Non-governmental ganizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - Arab Human Rights Organizations)	n-governmental ganizations and human rights	e lecture is theory	Monthly and arterly exam
(4)	2	uman rights in the Iraq constitutions between heory and reality. The Iraqi constitution	i uman rights in the Iraqi constitutions etween theory and reality	e lecture is theory	Aonthly and arterly exam
(5)	2	he relationship between uman rights and public freedoms: 1- In the niversal Declaration o Human Rights 0	he relationship etween human ghts and public f freedoms	e lecture is theory	Aonthly and arterly exam

	0		A 1 1	1	1 (1 1 1
(6)	2	Modern human rights:	Vlodern human	e lecture is	Vionthly and
		economic, social and	ghts: economic,	theory	arterly exam
		Itural human rights and	cial and cultural		
		vil and political human	uman rights and		
		rights 0	vil and political		
		n regional charters -2	human rights		
		d national constitutions			
(7)	2	Guarantees of respect	Guarantees of	e lecture is	Monthly and
		nd protection of human	respect and	theory	arterly exam
		ghts at the national and	protection of		
		.international levels	man rights at the		
		The role of non- –	national and		
		governmental	ernational levels		
		organizations in			
		specting and protecting			
		human rights			
(8)	2	pr freedoms: the origin	eneral theory of	e lecture is	Nonthly and
		f rights and freedoms -	freedoms	theory	arterly exam
		e project's position on			
		declared rights and			
		eedoms - the use of the			
(0)		term freedoms	1		
(9)	2	quality: The historical	quality: The	le lecture is	Aonthly and
		development of the	historical	theory	arterly exam
		concept of equality	velopment of the		
		e modern development	hcept of equality		
		pt the idea of equality	The modern		
		Gender equality 0 -	velopment of the		
		Equality between	dea of equality		
		dividuals according to			
		heir beliefs and race 0			
(10)	2	Democracy, definition	Democracy,	e lecture is	Aonthly and
		and types	definition and	theory	arterly exam
			types		
(11)	2	emocracy in the world -	emocracy in -	e lecture is	Aonthly and
			the world	theory	arterly exam
(12)	2	The crime of genocide	The concept of	e lecture is	Alonthly and
(10)			annihilation	theory	arterly exam
(13)	2	e concept of freedoms,	The concept of	e lecture is	Alonthly and
		lassification of public	freedoms,	theory	arterly exam
		freedoms	lassification of		
		undamental freedoms,	ublic freedoms		
		Intellectual freedoms,	Fundamental		
			freedoms,		

		economic and social	intellectual		
		freedoms	freedoms,		
			economic and		
			ocial freedoms		
(14)	2	reedom of security and	Freedom of	le lecture is	Aonthly and
		eeling of reassurance -	security and	theory	arterly exam
		eedom to come and go	feeling of		
			reassurance -		
			eedom to come		
(15)	2	adom of advastion	and go	a lacture is	I on this and
(13)	2	Freedom of the press	rieeuoni or -	theory	nonuny and
		reedom of assembly -	Freedom of the	theory	
		Freedom of women	ess - Freedom of		
		recubilit of women	assembly -		
			Freedom of		
			women		
21.	Cou	urse Evaluation			
Monthly 1	theoretic	al exam 40			
		and Toophing Possurage			
22. Le	earning a	and reaching Resources	•		
Require	ed textbo	oks (curricular books, if any)			
	Main re	eferences (sources)			
Recom	nmended	books and references (scier	itific		
	jc	ournals, reports)			
E	Electronic	References, Websites			

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85.	Course Name: Health	Community
86.	Course Code: CH2	
87.	Semester / Year: First	semester – second semester
88.	Description Preparati	on Date:19 /2/2024
89.Ava app	ailable Attendance Forms: lication + on-site training	Form of attendance: academic + practical (hospitals and health centers)
90.Nur	nber of Credit Hours (Tota	al) / Number of Units (Total)
5 h	ours (2 theoretical + 3 pr	ractical)
91.	Course administrator	's name (mention all, if more than one name)
Nar Email: ase	ne: Aseel Hafez Jawad eel.abbod.iba@atu.edu.iq	
	92.	Course Objectives
Co	urse Objectives	• He will be able to play with the concepts of the health of society and the technologies involved in it.
		 Ankhbeskh -: Antanb will be able to:
		• 1 .To learn about the
		components of counseling and counseling education.
		• 2 .To be familiar with the
		method of organizing family and children's forms in an organized manner.
		• 3 .To emphasize the
		importance of nutrition

			• 4.To and	o play with a dadvice stand carried a	dvice concepts dards and get away.
93.	Те	aching and Learning S	strategies		
StrategyTeaching and 1- Theoretica 2- Practical I 3- Method of			earning methods lecture method ture method iscussion and dialo	gue	
	-	Cours	e Structure .٩٤	1	
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
(1)	2	Details of theoretica vocabulary First semester	l ngle noun of the week	e lecture is heory and practice	Fheoretical, ractical and quarterly examination
(2)	2	Definition of health and disease, The pidemiological triad	The pidemiological triad		
(3)	2	Community health Iaternal and childhood care	Community health Maternal and childhood care	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(4)	2	Health education	lealth education	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(5)	2	Nutrition ,Basic food components and their importance	Nutrition	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(6)	2	Environmental health and its goals	Environmental alth and its goals	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(7)	2	Medical wastes ,its classification , method of handing how to dispose of it	Medical wastes	e lecture is heory and practice	Fheoretical, ractical and quarterly examination

			1		T
		waste its types and disposal			
(8)	2	ne concept of disability nd the physically and mentally disabled	The concept of disability	e lecture is heory and practice	Theoretical, ractical and quarterly examination
(9)	2	Rehabilitation and its type	habilitation and its type	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(10)	2	ontrol of infection and ransmissible diseases	ntrol of infection nd transmissible diseases	e lecture is heory and practice	Fheoretical, ractical and quarterly examination
(11)	2	ransmissible disease -	Transmissible disease	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(12)	2	Life Statistics , birth and death rate	Life Statistics , birth and death rate	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(13)	2	Details of theoretical vocabulary First semester	ngle noun of the week	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(14)	2	Definition of health and disease , e epidemiological triad	The pidemiological triad	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(15)	2	Community health , Iaternal and childhood care	Community health Maternal and childhood care	e lecture is heory and practice	Theoretical, ractical and quarterly examination
	I	Second	semester	ı	1
(1)	2	The concept of iternational health and its emergence	The concept of ernational health nd its emergence	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination

	•		. 11 1.1		F1 . 1
(2)	2	historical overview of international health	ernational health	he lecture is heory and practice	Theoretical, ractical and quarterly examination
(3)	2	Global policy of international health	Blobal policy of ernational health	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(4)	2	Ethical issues in international health service delivery	Ethical issues in ernational health ervice delivery	he lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(5)	2	ternational treaties and international health diplomacy	International treaties	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(6)	2	Global health policies development	Global health policies development	he lecture is heory and practice	Fheoretical, ractical and quarterly examination
(7)	2	Eradication and elimination of disease	Eradication and elimination of disease	he lecture is heory and practice	Fheoretical, ractical and quarterly examination
(8)	2	Definition of infection sease and what are the factors of the epidemiological triad	Factors of the epidemiological Triad	e lecture is heory and practice	Fheoretical, ractical and quarterly examination
(9)	2	ays to prevent infection disease	Ways to prevent nfection disease	e lecture is heory and practice	Fheoretical, ractical and quarterly examination
(10)	2	Method of controlling infection s diseases	Method of controlling fection s diseases	e lecture is heory and practice	Fheoretical, ractical and quarterly examination
(11)	2	Statistical are vital	Statistical are vital	e lecture is heory and practice	Fheoretical, ractical and quarterly examination
(12)	2	DS and hepatitis A and B	AIDS and hepatitis A and B	he lecture is heory and practice	Fheoretical, ractical and

(13)	2	Pandemic influenza	Pandemic influenza	e lecture is heory and practice	quarterly examination Theoretical, practical and quarterly
				F	xamination
(14)	2	Hemorrhagic fever	Ebola hemorrhagic disease	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(15)	2	Malaria	Malaria	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
23.	Co	ourse Evaluation			
Monthly Monthly Final the 24. L	theoret practica eoretical earning	ical exam 25 al exam 15+ exam 35 +Final practical ex and Teaching Resource	xam 25 S		
Requi	red textb	ooks (curricular books, if any	')		
Main references (sources)					
Reco	mmende	d books and references (scie journals, reports…)	ntific		
	Electroni	c References, Websites			

95.	Course Name: Health	and Occupational Safety
96.	Course Code: HOS	
97.	Semester / Year: Firs	t semester – second semester
98.	Description Preparat	tion Date:19 /2/2024
99.Avail applio	able Attendance Forms cation + on-site training	: Form of attendance: academic + practical g (hospitals and health centers)
100.	Number of Credit Hou	urs (Total) / Number of Units (Total)
5 հօւ	ırs (2 theoretical + 3 p	oractical)
101.	Course administrato	or's name (mention all, if more than one name)
Name	e: Dr. Shahad saad moh	ammed
Email: Shah	ad.mohammed.bib22@	<u>vatu.edu.iq</u>
102.	Course Objectives	
Cours	e Objectives	 At the end of his humanization, Antana will be able to recognize him The importance of professional advice and safety.
		• In particular: Antana will be able to:
		• A - To recognize the harms that their livestock are exposed to in different establishments.
		• B - That the conditions for professional health care and safety provided by a means of prevention in the event of accidents are concerned.
		• General injuries and various occupational diseases.
103.	Teaching and Learnin	g Strategies
		69

Strategy Teaching and learning methods 1- Theoretical lecture method 2- Practical lecture method 3- Method of discussion and dialogue 104. Course Structure					
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
(1)	2	Principles of occupational health and safety	The concept of occupational health and safety and its goals	he lecture is heory and practice	Theoretical, practical and quarterly examination
(2)	2	Occupational health and safety in Iraq	ccupational health		
(3)	2	Occupational health and safety and its relationship to productivity	Production elements and production processes	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(4)	2	Physical (natural) hazards	Its types, factors in the work environment, and diseases resulting from them	he lecture is heory and practice	Theoretical, practical and quarterly examination
(5)	2	Noise and vibrations	Noise and vibrations	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(6)	2	Temperature, humidity and air velocity	The basic factors that affect the individual's adaptation process to heat	he lecture is heory and practice	Theoretical, practical and quarterly examination

			-The effect of temperature and humidity in the atmosphere on human health		
(7)	2	Lighting and radiation of all kinds	Poor lighting, its types, and protecting the eye from the danger of improper lighting Types of ionizing radiation and ionizing radiation	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(8)	2	Atmospheric pressure	Low atmospheric pressure - high nospheric pressure - preventing the ffects of high and ow atmospheric pressure	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(9)	2	electricity	Electricity risks - electric shock - prevention of electrical accidents	te lecture is heory and practice	Theoretical, practical and quarterly examination
(10)	2	Chemical risks	Chemical risks resulting from the presence of solid, liquid and gaseous materials	ne lecture is heory and practice	Theoretical, practical and quarterly examination
(11)	2	Charrie 1 1	W7L:-1.	La 1a - t '	
------	---	--	---	--	---
(11)	2	Chemical risks	which cause environmental pollution - sources of air pollution - atmospheric air pollutants and their risks - risks of gases and fumes	heory and practice	ractical and quarterly examination
(12)	2	Biological risks, infectious diseases and psychological factors	Causes of infection with biological risks and the most important causative diseases - psychological risks	he lecture is heory and practice	Theoretical, practical and quarterly examination
(13)	2	Mechanical hazards	Causes and prevention: Machines and hand tools - ladders and stairs	he lecture is heory and practice	Theoretical, practical and quarterly examination
(14)	2	Industrial poisons	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)	he lecture is heory and practice	Theoretical, practical and quarterly examination

		1		-	
(15)	2	Heavy metal	Lead - mercury -	he lecture is	Theoretical,
		poisoning	chromium	heory and	practical and
				practice	quarterly
			1		examination
(1)		Secon	d semester		
(1)	2	Pesticide poisoning	What are	he lecture is	Theoretical,
			insecticides used	neory and	practical and
			for?	practice	quarterly
			And its		examination
			symptoms		
(2)	2	Poisoning with	Organic solvents	he lecture is	Theoretical,
		organic	- hydrocarbons	heory and	practical and
		compounds	and their	practice	quarterly
			derivatives		examination
			The most		
			important		
			industries that		
			use organic		
			solvents with		
			solvent		
			properties		
(3)	2	Work accidents	Definition of	he lecture is	Theoretical,
		and injuries	accident and	heory and	practical and
			injury, its causes	practice	quarterly
			and types		examination
		TT 11' 1			T1 1
(4)	2	Handling and	Storage	he lecture is	Theoretical,
		storing materials	objectives -	neory and	practical and
			factors that must	practice	quarterry
			be studied for the		rammation
			storage process -		
			sources of danger		
			in warehouses -		
			basic rules that		
			must be provided		
			in storage places		
			-Methods of		
			transporting and		
			handling solid		

			and liquid materials		
(5)	2	Signs and effects of safety and security	Slides for safety and security signs - Meanings of symbols on containers of hazardous chemicals	he lecture is heory and practice	Theoretical, practical and quarterly examination
(6)	2	Obstacles and the role of civil defense in facilities	Work injury statistics - ways to prevent occupational risks	he lecture is heory and practice	Theoretical, practical and quarterly examination
(7)	2	Medical prevention methods	Primary, periodic, special and rehabilitation examinations	he lecture is heory and practice	Theoretical, practical and quarterly examination
(8)	2	First aid services at the work site	Health and professional services at the workplace (organization and duties)	he lecture is heory and practice	Theoretical, practical and quarterly examination
(9)	2	Engineering prevention methods	Closing - replacement - isolation	he lecture is heory and practice	Theoretical, practical and quarterly examination
(10)	2	Ventilation	Monitoring the work environment (detecting and measuring pollutants in the work	ne lecture is heory and practice	Theoretical, practical and quarterly examination

			environment and comparing them to the recommended limits to identify an occupational health basis)		
(11)	2	personal cleanliness Personal protective equipment	Work site inspection Its types - specifications - use	he lecture is heory and practice	Theoretical, practical and quarterly examination
(12)	2	Age and safety legislation	1-Decisions related to occupational health and safety 2- Laws 3- Systems 4-Instructions	he lecture is heory and practice	Theoretical, practical and quarterly examination
(13)	2	Study and use of inhalable dust collection devices - Study of the types of filters used to collect dust samples	Study and use of inhalable dust	he lecture is heory and practice	Theoretical, practical and quarterly examination
(14)	2	Study and use of the bacteria collection device	Sample bacteria	he lecture is heory and practice	Theoretical, practical and quarterly examination
(15)	2	Recognize the signs of safety and security by displaying slides. Study and use of a lung efficiency screening device	Recognize the signs of safety and security	he lecture is heory and practice	Theoretical, practical and quarterly examination

25. Course Evaluation						
Monthly theoretical exam 25 Monthly practical exam 15+ Final theoretical exam 35 +Final practical exam	n 25					
26. Learning and Teaching Resources						
Required textbooks (curricular books, if any)						
Main references (sources)	Occupational health and safety book 2015 Occupational Health and Safety Management Book 2009 Iraqi Labor Law No. 37 of 2015 Law No. 2 of 2018 Instructions for Vocational Training Encyclopedia of Occupational Health and Safety (ILO)					
Recommended books and references (scientific						
journals, reports)						
Electronic References, Websites						

			-				
105.	Соι	arse Name: Medicin	e &Surgical				
106.	Соі	ırse Code: MS	rse Code: MS				
107.	Ser	nester / Year: First s	semester – second se	mester			
108.	Des	scription Preparatio	n Date:19 /2/2024				
109.	Ava	ailable Attendance Fo	orms: Form of attendar	nce: academi	c + practical		
ap	plicatio	n + on-site training (l	hospitals and health ce	enters)			
110	Nu	mber of Credit Hours	(Total) / Number of I	Inits (Total)			
61	nours	2 theoretical + 4 practical	(iotal) (interview)	Jinto (10tal)			
111.	Со	urse administrator's	s name (mention all,	if more tha	n one name)		
Na	ime: Na	iel abbass kadhiem					
En	nail: dri	naiel81@gmail.com					
112.	Со	urse Objectives					
urse Objecti	ves		General	Goals : : Th	e Student		
			Will be	able how tre	at simple		
			cases S	pecial; The S	Student Will		
			be able	to give blood	d & injection		
			The Stu	dent Will be	able to dress		
			Wound	. The Studer	it Will be able		
			to meas	ure blood pro	essure, pulse		
113.	Теа	aching and Learning	Strategies				
Strategy	,	Teaching and	learning methods				
		1- Theoretica	l lecture method				
		2- Practical le	ecture method				
		<u>3- Me</u> thod of	discussion and dialog	gue			
		114.	Course Structure				
Week	Hours	Required Learning	Unit or subject name	Learning	Evaluation		
		Outcomes		method	method		

(1)	2	usos alinical	Dinhtharia (a lactura is	Theoretical
(1)		features	Medicine) + Head	he lecture is	ractical and
		diagnosis	inium (neory and practice	auarterly
		treatment		practice	quarterry
(2)	2		Surgery) Wheening Cough		zxammation
(2)		footures	$Mumna(M) \pm$		
		diagnosis	Innings (INI) +		
		traatmant	iennigeai nijury (S)		
		revention of			
		he disease			
(2)	2	Courses clinical	$random (M) \perp face$	a lactura is	[haoratical
(3)		Causes, chincal	inium (S)	hoory and	rectical and
		treatment	injury (S)	neory and	auertorly
		management and		practice	quarterry
		annroach			Aanniauon
(A)	2	Causes clinical	Magelas garmon	e lecture in	Theoretical
(+)		Causes, chillean	Mooslog gmoll nor	heory and	ractical and
		atment prevention	(\mathbf{M}) + sum i = 1	neory and practice	augrterly
		of the disease	(M) + surgical	practice	quartering
		of the disease.	mouth (S),		xammation
· • ·			rona virus infections		F1 1
(5)	2	Causes, clinical	ection of mouth and	le lecture 1s	Theoretical,
		eatures, diagnosis,	ngue (M) + surgical	heory and	practical and
		atment, prevention	tongue (S)	practice	quarterly
		of the disease.			examination
(6)	2	Causes, clinical	Gastritis and	le lecture is	Theoretical,
		eatures, diagnosis,	pticulcer (M) + gum	heory and	practical and
		atment, prevention	ulcer (S)	practice	quarterly
/ - ``		of the disease.			examination
(7)	2	Causes, clinical	Jaundice (M) +	le lecture is	Theoretical,
		eatures, diagnosis,	tonsillitis (S)	heory and	practical and
		atment, prevention		practice	quarterly
		of the disease.			examination
(8)	2	Causes, clinical	leart failure (M)) +	le lecture is	Theoretical,
		eatures, diagnosis,	esophagus ca. (S)	heory and	practical and
		atment, prevention		practice	quarterly
(2)		of the disease.			examination
(9)	2	Causes, clinical	yocardial infarction	e lecture is	Theoretical,
		eatures, diagnosis,	MI angina (M)	heory and	practical and
		atment, prevention		practice	quarterly
		of the disease.			examination
(10)	2	Causes, clinical	angina (M)	e lecture is	Theoretical,
		eatures, diagnosis,		heory and	practical and
				practice	

			1	1	
		atment, prevention			quarterly
		of the disease.			examination
(11)	2	Causes, clinical	Ca. stomach , ca.	e lecture is	Theoretical,
		eatures, diagnosis,	intestine (S)	heory and	ractical and
		atment, prevention		practice	quarterly
		of the disease.			examination
(12)	2	Causes, clinical	Iypertension (M) +	e lecture is	Theoretical,
		eatures, diagnosis,	appendicitis (S)	heory and	ractical and
		atment, prevention		practice	quarterly
		of the disease.			examination
(13)	2	Causes, clinical	Congenital heart	e lecture is	Theoretical,
		eatures, diagnosis,	disease (M) +	heory and	ractical and
		atment, prevention	testinal obstruction	practice	quarterly
		of the disease.	(S)		examination
(14)	2	Causes, clinical	4 Pneumonia (M) +	e lecture is	Theoretical,
		eatures, diagnosis,	liver abscess (S)	heory and	ractical and
		atment, prevention		practice	quarterly
		of the disease.			examination
(15)	2	Causes, clinical	Asthma (M) + liver	e lecture is	Theoretical,
		eatures, diagnosis,	injury (S)	heory and	practical and
		atment, prevention		practice	quarterly
		of the disease.			examination
		Seco	ond semester		
(1)	2	Causes, clinical	Bronchitis (M) +	e lecture is	Theoretical,
		eatures, diagnosis,	cholycystitis (S)	heory and	ractical and
		atment, prevention		practice	quarterly
		of the disease.			examination
(2)	2	Causes, clinical	ural effusion (M)) +	e lecture is	Theoretical,
		eatures, diagnosis,	Ill bladder stone (S)	heory and	ractical and
		atment, prevention		practice	quarterly
		of the disease.			examination
(3)	2	Causes, clinical	nemia (M) + spleen	e lecture is	Theoretical,
		eatures, diagnosis,	injury (S)	heory and	ractical and
		atment, prevention		practice	quarterly
		of the disease.			examination
(4)	2	Causes, clinical	Leukemia (M) +	e lecture is	Theoretical,
		eatures, diagnosis,	pancreatitis (S)	heory and	practical and
		atment, prevention	Hemorrhagic fever	practice	quarterly
		of the disease.			examination
(5)	2	Causes, clinical	Lymphoma (M) +	e lecture is	Theoretical,
		eatures, diagnosis,	hernia (S)	heory and	practical and
		atment, prevention		practice	quarterly
		of the disease.			examination

(14)	2	Causes, clinical	Addison diseases $(M) + blood$	he lecture is	Theoretical,
(14)))	of the disease.	Addison discass	practice	quarterly examination
(13)	2	Causes, clinical eatures, diagnosis,	Thyroid gland disease (M) +	he lecture is heory and	Theoretical, practical and
· · ·		eatures, diagnosis, atment, prevention of the disease.	(M) + renal stones (S)	heory and practice	ractical and quarterly examination
(12)	2	of the disease. Causes, clinical	Hyperpitutirism	e lecture is	Examination Theoretical,
(11)	2	Causes, clinical eatures, diagnosis, eatment, prevention	Gout (M) + pyelonephritis (S)	e lecture is heory and practice	Theoretical, practical and quarterly
、 - /		eatures, diagnosis, eatment, prevention of the disease.	pyelonephritis (S)	heory and practice	practical and quarterly examination
(10)	2	atment, prevention of the disease. Causes, clinical	Gout (M) +	practice le lecture is	quarterly examination Fheoretical.
(9)	2	Causes, clinical eatures, diagnosis,	heumatoid arthritis (M) + fracture (S)	e lecture is heory and	Theoretical, practical and
(8)	2	Causes, clinical eatures, diagnosis, eatment, prevention	tephrotic syndrome d renal failure (M) + lung ca. (S)	e lecture is heory and practice	Theoretical, practical and quarterly
(7)	2	Causes, clinical eatures, diagnosis, eatment, prevention of the disease.	Glomerulonephritis (M) + tracheal obstruction (S)	e lecture is heory and practice	Theoretical, practical and quarterly examination
		eatures, diagnosis, eatment, prevention of the disease.	ypes of hernia (S)	heory and practice	oractical and quarterly examination

Final the exertical error 25 + Final practical error 2	
Final theoretical exam 35 +Final practical exam 2	5+
28. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	1- Surgical internal medicine
, , , , , , , , , , , , , , , , ,	binding_Dr. Fawaz Al Khalti
Main references (sources)	
Recommended books and references (scientific	- Principle of anatomy, Dr. Hani
journals, reports)	Al-Azawi, 4 th edition, 1988. 2
	Principle of anatomy, Dr. Abdu
	Rahman M. Abdul- Raheim & D
	Ali K
	Internal Surgical Nursing - Writte
	by Fayza Boulos
Electronic References, Websites	

115.	Course Name: Health Inspection
116.	Course Code: HIN
117.	Semester / Year: First semester – second semester
118.	Description Preparation Date:19 /2/2024
119.	Available Attendance Forms: Form of attendance: academic + practical
appli	cation + on-site training (hospitals and health centers)
120.	Number of Credit Hours (Total) / Number of Units (Total)
6 hou	urs (2 theoretical + 4 practical)
121.	Course administrator's name (mention all, if more than one name)
Nam	e: Zainab Kareem Jawad
Emai	il: <u>inb.znb5@atu.edu.iq</u>
122.	Course Objectives
Cours	 General Goals : At the end of the academic year, the student will be able to become familiar with the programs and concept of health inspection . 2- Special Goals : The students will be able to - 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
123.	Teaching and Learning Strategies
Strategy	Teaching and learning methods
	2- Practical lecture method
	82

		3- Method of d	liscussion and dialo	າດເາຍ	
		124. C	ourse Structure	<u>5540</u>	
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
moon	nouro	Outcomes	name	method	method
(1)	2	The concept	The concept of	The lecture	Theoretical
(-)	_	health contro	health control,	theory and	practical and
		foundations	foundations, rules	practice	quarterly
		rules, objectiv			examinatior
		and			
		requirements			
		the inspectio			
(2)	2	Su The division	Public health		
(2)	2	and units of t	department units		
		Public Healt	acparation and		
		Department			
		their duties, a			
		the fundamen			
		procedures fo			
		following up			
		conditions			
(3)	2	Food system. extrac	Food system	The lecture	Theoretical
		from the Public Hea	5	theory and	practical and
		Law		practice	quarterly
					examination
(4)	2	General conditions	Conditions for	The lecture	Theoretical
		conditions for granti	granting health lea	theory and	practical and
		health leave,		practice	quarterly
		met by the leave			examination
		holder and the work			
(5)	2	Special conditions	S Special conditio	The lecture	Theoretical
		including hotels, re	-	theory and	practical and
		houses, public cafe		practice	quarterly
		casinos, family park			examinatior
		and shops selling			
(6)	2	Cottee and tea.	S Oyong halzaria	The lasture	Theoretical
(0)	Z	and nastries food a	and nastries	theory and	nractical and
		heverage preparatio	and pastiles	practice	nuarterly
		and serving shops		Practice	examination

(7)	2	TrOvens, bakeries a	Shops that prepar	The lecture	Theoretical
		pastries, food and	and sell ice crear	theory and	practical and
		beverage preparation	services	practice	quarterly
		and serving shops			examination
(8)	2	Stores selling meat	Stores selling mea	The lecture	Theoretical
		dairy, eggs, and anin	dairy and eggs	theory and	practical and
		products (wholesale		practice	quarterly
		Stores selling red			examination
		meat, poultry and th			
		products			
(9)	2	C Stores selling read	Stores selling read	The lecture	Theoretical,
		made food and	made food and	theory and	practical and
		beverages, wholesa	beverages	practice	quarterly
		and retail river and s			examination
		fish stores, and sherl			
		kiosks			
(10)	2	Barber and beauty	Barber and beaut	The lecture	Theoretical,
		salons, coffee grindi	salons	theory and	practical and
		and selling shops, li		practice	quarterly
		chicken shops			examinatior
(11)	2	The role of agility	The role of agilit	The lecture	Theoretical,
				theory and	practical and
				practice	quarterly
					examinatior
(12)	2	Food industry	Food industry	The lecture	Theoretical,
		laboratory, food	laboratory, food	theory and	practical and
		additives	additives	practice	quarterly
					examinatior
(13)	2	Food safety (food	Food safety	The lecture	Theoretical,
		fraud)		theory and	practical and
				practice	quarterly
					examinatior
(14)	2	Food industry	Food industry	The lecture	Theoretical,
		laboratory, food	laboratory, food	theory and	practical and
		additives	additives	practice	quarterly
					examinatior
(15)	2	Sweets factory, Al	Sweets factory	The lecture	Theoretical,
		Rashi production		theory and	practical and
		factory		practice	quarterly
					examinatior
		Se	cond semester		

(1)	2	Ice factor, gypsum	Ice factor, gypsur	The lecture	Theoretical.
		factor	factor	theory and	practical and
				practice	quarterly
					examinatior
(2)	2	Juice and jam	Juice and jam	The lecture	Theoretical,
		factories, mineral	factories, minera	theory and	practical and
		water and soft drink	water and soft drin	practice	quarterly
		factories	factories		examinatior
(3)	2	Potable water	Potable water	The lecture	Theoretical,
		desalination and	desalination and	theory and	practical and
		sterilization plants	sterilization plant	practice	quarterly
		with spiral membra	with spiral		examinatior
		systems and revers	membrane system		
		osmosis, liquefactio	and reverse osmos		
		water projects			
(4)	2	Beauty centers	Beauty centers	The lecture	Theoretical,
				theory and	practical and
				practice	quarterly
					examinatior
(5)	2	Cosmetics and	Cosmetics and	The lecture	Theoretical,
		detergent laboratori	detergent	theory and	practical and
			laboratories	practice	quarterly
					examinatior
(6)	2	Means of transpor	Means of transpo	The lecture	Theoretical,
		intended for	intended for	theory and	practical and
		transporting,	transporting,	practice	quarterly
		preserving, displayin	preserving,		examinatior
		selling and processing	displaying, sellin		
		food materials	and processing for		
			materials		
(7)	2	Public baths,	Public baths,	The lecture	Theoretical,
		swimming pools,	swimming pools	theory and	practical and
		public baths		practice	quarterly
					examinatior
(8)	2	Organizing the wor	Organizing the wo	The lecture	Theoretical,
		of street vendors	of street vendors	theory and	practical and
				practice	quarterly
					examinatior
(9)	2	Health and	Health and	The lecture	Theoretical,
		environmental	environmental	theory and	practical and
		inspection of schoo	inspection of scho	practice	quarterly
					examinatior

			n			
(10)	2	Massacres		Massacres	The lecture	Theoretical,
					theory and	practical and
					practice	quarterly
						examination
(11)	2	Entities supporting]	Entities	The lecture	Theoretical,
		health oversight wo	suppo	orting health	theory and	practical and
			over	sight work	practice	quarterly
						examination
(12)	2	Sanitary landfill site	Sani	tary landfill	The lecture	Theoretical,
				sites	theory and	practical and
					practice	quarterly
				~~~		examination
(13)	2	HACCP system	HAC	CCP system	The lecture	Theoretical,
					theory and	practical and
					practice	quarterly
						examination
(14)	2	Pull food models	Pull	food models	The lecture	Theoretical,
					theory and	practical and
					practice	quarterly
				-		examination
(15)	2	Work contexts	Wo	rk contexts	The lecture	Theoretical,
					theory and	practical and
					practice	quarterly
						examination
29.	Cou	rse Evaluation				
Monthly th	neoretica	al exam 25				
Monthly p	ractical e	exam 15+		_		
Final theor	retical ex	am 35 +Final practical	exam 2	5		
30. Lea	arning a	nd Teaching Resource	ces			
Required	textbooks	s (curricular books, if any	′)			
N	lain refe	rences (sources)		1- Irae	qi Ministry of	Health - Healt
				Overs	ight Guide 20	12-2013
				2 -]	Public Health	Law No. 89 of
					1981 and its a	imendments
				3 -	Law No. 54 o	f 2001 (Eighth
				Am	endment to th	e Public Health
					Lav	v)
				4 -Fo	ood Regulation	n No. 29 of 198
Recomme	ended bo	oks and references (scie	entific			
	jour	nals, reports)				
Elec	tronic Re	eferences, Websites				
			07			
			80			

125.	Course Name: Epidemiology1+2
126.	Course Code: EPI
127.	Semester / Year: First semester – second semester
128.	Description Preparation Date: 19 /2/2024
129.	Available Attendance Forms: Form of attendance: academic + practical
appli	ication + on-site training (hospitals and health centers)
100	
130.	Number of Credit Hours (Total) / Number of Units (Total)
4 n0	urs (2 meoretical + 2 practical)
131.	Course administrator's name (mention all, if more than one name)
Nam	e: Ibtisam Mohammed Hussein
Ema	il: inb.ebts@atu.edu.iq
132.	Course Objectives
ırse Objective	<ul> <li>General Goals : The student will be able to understand the concept of epidemiology and its techniques</li> <li>He will be able to learn about how diseases occur and how infectious diseases are transmitted and controlled</li> <li>To learn how to analyze the occurrence of epidemics</li> <li>To identify the pathogens</li> <li>To learn about calculating the spread of diseases and calculating the different rates of diseases and deaths</li> </ul>
133.	Teaching and Learning Strategies
Strategy	Teaching and learning methods
	87

		1- Theoretical	lecture method		
		2- Practical lec	ture method		
		3- Method of d	iscussion and dialog	gue	
	1	134.	Course Structure	<u>.</u>	
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
(1)	2	Types of	.Epidemiology	le lecture is	Theoretical,
		pidemiology,		heory and	practical and
		- objectives		practice	quarterly
		asics - general		-	examination
		strategies,			
		factors that			
		control the			
		fection process			
(2)	2	General	Terms used in		
		efinitions used	epidemiology		
		f in the study			
		pidemiology,			
		ease measures,			
		isk factors in			
		pidemiology			
(3)	2	The	ad epidemiological	le lecture is	Theoretical,
		epidemiological		heory and	practical and
		triad, its importance		practice	quarterly
		and applications		1	examination
		disease Eactors of-			
		currence (nersonality			
		nlace time)			
(4)	2	ansmissible and non -	Transmissible	le lecture is	Theoretical
		seases transmissible	diseases	heory and	ractical and
		d factors that control	aiseuses	practice	quarterly
		he infection process		practice	examination
(5)	2	prevention Methods	nfectious diseases	le lecture is	Theoretical
$(\mathbf{J})$		and control of		heory and	ractical and
		mmunicable diseases		practice	quarterly
				Practice	examination
(6)	2	mmunity - General	Immunity	le lecture is	Theoretical
		rd immunity and the	minimulity	heory and	ractical and
		ictors that determine		practice	quarterly
		e immunity levels in		Practice	examination
		human body			Ammation
		numan bouy			

(7)	2	types - ) Vaccines	Vaccines	e lecture is	Theoretical,
		ethods - giving them,		heory and	practical and
		preserving them,		practice	quarterly
		administering them			examination
(8)	2	Epidemiological	Epidemiological	le lecture is	Theoretical,
		investigation and	monitoring	heory and	practical and
		monitoring (		practice	quarterly
		objectives of			examination
		epidemiological			
		monitoring - basic			
		steps for			
		epidemiological			
		( monitoring			
		Types of			
		idemiological studies			
(9)	2	of Methods	Epidemiological	le lecture is	Theoretical,
		vestigating epidemic	investigation	heory and	practical and
		diseases		practice	quarterly
				-	examination
(10)	2	Administrative	Health prevention	e lecture is	Theoretical,
		division of health		heory and	practical and
		prevention		practice	quarterly
		departments in the			examination
		Ministry of Health			
		mechanism and the			
		of work in the field			
		of prevention			
		ws form for Instant -			
		mmunicable diseases			
(11)	2	German - Measles	German - Measles	e lecture is	Theoretical,
		measles - mumps	measles - mumps	heory and	practical and
			-	practice	quarterly
					examination
(12)	2	olio - Tuberculosis	uberculosis - polio	e lecture is	Theoretical,
				heory and	practical and
				practice	quarterly
					examination
(13)	2	nooping - Diphtheria	- Diphtheria	le lecture is	Theoretical,
		cough - tetanus	vhooping cough -	heory and	practical and
			tetanus	practice	quarterly
					examination

(14)	2	hepatitis Viral	hepatitis Viral	e lecture is	Theoretical,
				heory and	practical and
				practice	quarterly
				-	examination
(15)	2	ver - Malta Typhoid	fever - Typhoid	le lecture is	Theoretical,
		fever	Malta fever	heory and	ractical and
				practice	quarterly
				-	xamination
		Seco	ond semester		
(1)	2	seases that occurred	liseases Epidemic	le lecture is	Theoretical,
		their ,in the world		heory and	ractical and
		consequences, and		practice	quarterly
		dealing with them		-	xamination
(2)	2	(Regional plan)	gainst Vaccination	e lecture is	Theoretical,
-			communicable	heory and	ractical and
			diseases	practice	quarterly
					examination
(3)	2	of health Types	prevention Health	le lecture is	Theoretical,
		prevention,		heory and	ractical and
		environmental		practice	quarterly
		pollution, medical		-	examination
		. waste			
(4)	2	isoning (types Food	poisoning Food	le lecture is	Theoretical,
		and causes )		heory and	practical and
				practice	quarterly
					examination
(5)	2	neningitis Cerebral	eningitis Cerebral	e lecture is	Theoretical,
				heory and	practical and
				practice	quarterly
					examination
(6)	2	Cholera	Cholera	e lecture is	Theoretical,
				heory and	practical and
				practice	quarterly
					examination
(7)	2	bags Water	Water bags	e lecture is	Theoretical,
				heory and	practical and
				practice	quarterly
					examination
(8)	2	Malaria	Malaria	e lecture is	Theoretical,
				heory and	practical and
				practice	quarterly
					examination

(9)	2	Schistosomiasis	Schiet	osomiasis	e lecture is	Theoretical
	-	5011510501114515		03011110313	heory and	practical and
					practice	quarterly
					-	examination
(10)	2	nfluenza Pandemic	ıfluenz	a Pandemic	e lecture is	Theoretical,
		(types and causes )			heory and	practical and
					practice	quarterly
(11)	2	Larvid 10 (factors	6		a la stura is	Examination
(11)	2	that led to the	-0	.ovid • • -	heory and	ractical and
		emergence of new			practice	quarterly
		uses belonging to the			practice	examination
		coronavirus family				
(12)	2	Acquired	A	cquired	e lecture is	Fheoretical,
		immunodeficiency	immu	nodeficiency	heory and	practical and
		disease		disease	practice	quarterly
(12)	2	forran Uana amh a ai a	TT.	nombosis		Examination
(13)	2	rever Hemorrhagic	Hei	fever	heory and	I neoretical,
		lever		practice	quarterly	
					pruetiee	examination
(14)	2	pox Chicken	Ch	icken pox	e lecture is	Theoretical,
			-		heory and	practical and
					practice	quarterly
						examination
(15)	2	Rabies		rabies	e lecture is	Theoretical,
					heory and	practical and
					practice	quarterry
21		L Durse Evaluation	<u> </u>			Pranimation
J1. Monthle	theoret					
Monthly	practica	al exam 15+				
Final the	oretical	exam 35 +Final practical	exam 2	5		
32. Le	earning	and Teaching Resour	ces			
Required textbooks (curricular books, if any)			Comm Niazi 1	unity Health G 986	uide / Dr. Amjad	
	Main re	eferences (sources)				
Recom	mended	books and references (sci	entific			
	jc	ournals, reports)				
El	ectronic	References, Websites				

	Course I	
135.	Course Name: Pharmaco	logy
136.	Course Code: PHA	
137.	Semester / Year: First se	emester – second semester
138.	Description Preparation	Date:19 /2/2024
139.	Available Attendance For	ms: Form of attendance: academic + practical
applic	cation + on-site training (ho	ospitals and health centers)
1/0	Number of Credit Hours (	Total) / Number of Units (Total)
4 hou	rs (2 theoretical + 2 prac	tical)
		,
141.	Course administrator's	name (mention all, if more than one name)
Name	e: Ali Kareem Hameed	
EIIIdi	i: all.lasileeu.bib/@atu.eut	1.10
142.	Course Objectives	
irse Objectives		• General: the student must
		know
		• 1- Basic science of
		pharmacology 2- The activity
		excretion of drug 4- Dose and
		dosage form 5- Toxicology,
		toxins, poisoning with metals
		Specific: 1- Routes of drug
		administration. 2- Effect of
		arug on the body. 3- Injection
		4- Toxicity with drugs and
		metals
143.	Teaching and Learning S	trategies
Strategy	Teaching and le	earning methods
	1- Theoretical	ecture method
	2- Practical lect	uremethod

		144 0					
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation		
		Outcomes	name	method	method		
(1)	2	Introduction and neral definition of pharmacology (pharmacology, pharmacy, harmacits, Dose, Concentration)	ntroduction and General pharmacology	e lecture is neory and practice	Fheoretical, ractical and quarterly xamination		
(2) (3) (4)	6	Infection: Antibacterial, itiviral, antifungal, antiprotozoal, Antihelmenthic drugs	Infection				
(5)	2	Nutrition: vitamins. parenteral nutrition, electrolyte, intravenous fluid	Nutrition	e lecture is heory and practice	Theoretical, ractical and quarterly xamination		
(6)	2	Corticosteroid drugs	Corticosteroid drugs	e lecture is neory and practice	Theoretical, ractical and quarterly xamination		
(7)	2	Non- steroidal anti- inflammatory drugs	n -steroidal anti- inflammatory drugs	e lecture is neory and practice	Theoretical, ractical and quarterly xamination		
(8) (9)	4	Cardiovascular system ugs Digitalis and cardiac glycoside, Diuretics, drenoreceptors blocking	Cardiovascular system drugs	e lecture is neory and practice	Theoretical, ractical and quarterly xamination		
(10) (11)	4	strointestinal tract drugs. ntacid, Antispasmodic, leeling peptic and ulcer, Antidiarrheal, Laxative, ectal and colonic drug, intestinal section	astrointestinal tract drugs	e lecture is heory and practice	Theoretical, ractical and quarterly xamination		
(12) (13)	4	Respiratory system Bronchodilator, corticosteroids. Allergic	spiratory system	e lecture is neory and practice	Fheoretical, ractical and quarterly xamination		

		disorders, respiratory			
		stimulant, mucolytic,			
		anti-tussive and			
		expectorant, nasal			
		decongestant			
		accongestant			
(14)	4	Endocrine	Endocrine	e lecture is	Fheoretical,
(15)		Drug use in diabetic,		heory and	ractical and
		ypoglycemia, pituitary		practice	quarterly
		hormone, thyroid and		-	xamination
		hyroid drug. female sex			
		rmone male sex hormone			
		and anti- androgens.			
		anabolic steroid.			
		hyperglycemia drug.			
		herandocrine hyper lipid			
		Imia drugs			
		Second s	emester		
(1)	2	G U T	GUT	e lecture is	Fheoretical,
		terine stimulant, uterine		heory and	ractical and
		relaxants, vulvar and		practice	quarterly
		viginal disorder.			xamination
		ontraceptics ut disorder			
(2)	4	Muscular skeletal	uscular skeletal	e lecture is	Theoretical,
(3)		disorder	disorder	heory and	ractical and
		ronic rheumatic disease,		practice	quarterly
		treatment of gut,		_	xamination
		vasthenia gravis, muscle			
		laxant, rubefacients. soft			
		tissue inflammation			
(4)	4	Blood formation and	lood formation	e lecture is	Theoretical.
(5)		coagulation	nd coagulation	heory and	ractical and
		Iron deficiency anemia	6	practice	quarterly
		other type of anemia		L -	xamination
		anticoagulant			
		anticoaguiani,			
		anuplatelet, librin lytic			
		and anti-fibrinolytic			
(6)	Δ	Skin	Skin	e lecture is	<b>Cheoretical</b>
(7)	<b>–</b>	mollients entinguritie		heory and	ractical and
$(\prime)$		topical corticosteroid		nractice	augrterly
				practice	vamination
		eczenia psofiasis ache			Aanmation
		intibo atomic diameterate			

		antifungal antiviral tiparasitic melanzing and demeaning			
(8)	2	E N T Drug acting on E NT ncluding antibiotic and inflammatory	E N T	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(9)	2	EYE Anti- infective preparations, anti- inflammatory. nydriatics,cycloplegics .Glaucoma other preparation	EYE	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(10) (11)	2	Chemotherapy and immunosuppressant Alkylating, ntimetabolities,enryme, hormones . alter immunosuppressant	Chemotherapy	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(12) (13)	2	Anesthesia eneral anesthesia, local, inhalation, parenthetic	Anesthesia	e lecture is heory and practice	Fheoretical, ractical and quarterly xamination
(14) (15)	2	C N S Iypnotic and anxiolytic antipsychotic, antidepressants, CNS stimulants ,anorectics. algesic (mild, moderate, sever pain, migraine, antiepileptic's, arkinsonism, drug use in chorea, tics, trigeminal neuralgia	C N S	e lecture is neory and practice	Fheoretical, ractical and quarterly xamination
33.	Co	urse Evaluation			
Monthly Monthly Final the 34. Le	theoreti practica oretical earning red textb	cal exam 25 l exam 15+ exam 35 +Final practical exa and Teaching Resources ooks (curricular books, if any)	m 25+		

Recommended books and references (scientific journals, reports)	Mycek, M .J. ; Harvey R.A. and hampe , P.C. (1997).Lippencott's Ilustrated Reviews: armacology.(2nd ed.). Lippincott- aven, Philadel phia New York aurence, D.R. ; Bennett , P.N. and Brown, M.J.(1997).Clinical armacology. New York ; London : Churchill Livingstone.
Electronic References, Websites	

149. ap	Av	vailable Attendance F on + on-site training	orms: Form of attendar (hospitals and health ce	nce: academic enters)	c + practical	
149.	Av	vailable Attendance F	orms: Form of attendar	nce: academic	c + practical	
ap	plicatio	on + on-site training	hospitals and health ce	enters)		
150.	Nu	mber of Credit Hour	s (Total) / Number of U	Units (Total)		
2	hours	(2 theoretical )				
151.	Сс	ourse administrator	s name (mention all,	if more than	one name)	
Na	ame: M	aysoon Kooshi Jasir	n			
Er	nail: m	aysoon.Husain iba3(	@.atu.edu.iq			
152.	Co	urse Objectives				
ırse Object	<ul> <li>General Goals : Identify the basic etiquette of professional behavior for workers in medical specialties.</li> <li>2- Special Goals : Qualifying the graduate on professional behavior in dealing with his profession to achieve compatibility with his professional self (the patient, his companions, workers in the health field, and medical</li> </ul>					
153.	Те	aching and Learning	Strategies			
Strategy	Strategy       Teaching and learning methods         1- Theoretical lecture method         2- Method of discussion and dialogue					
Week	Hours	Pequired Learning	Unit or subject name	Learning	Evaluation	
week	nours	Outcomes	Unit of Subject name	method	method	

		definition - its concept, its practical plications, the relationship tween workers d their bosses - e components of human behavior	Its definition - its concept		
(2)	2	Principles of professional iquette in the stages of civilizational evelopments Principles of - professional thics in Arab and Islamic .civilization I practice - dealing with patients in ospitals from uncient times until now	Principles of professional iquette in the stages of vivilizational evelopments	e lecture is theory	Ionthly and arterly exam
(3)	2	ehavioral trends and tendencies, their lassification, factors fluencing them, and ways of developing them	ehavioral trends and tendencies,	e lecture is theory	Ionthly and arterly exam
(4)	2	He Values, customs and traditions Its definition, lassification, factors fecting it, methods of ,its establishment	He Values, customs and traditions	e lecture is theory	fonthly and arterly exam
(5)	2	rsonality types, how to deal with them Definition of ersonality, its types, elationships, nature,	Personality types	e lecture is theory	Ionthly and arterly exam

_		motivations and			
		interpretations			
(6)	2	Basic ethics of the	Basic ethics of the	e lecture is	Ionthly and
		health and medical	health and medical	theory	arterly exam
		profession	profession		
		Characteristics and			
		aracteristics of health			
		orkers, appearance,			
		behavior and			
		commitment			
		haracteristics of a -			
		successful medical			
		associate			
		Some undesirable -			
		actices in the medical			
		field			
(7)	2	The legal and moral	The legal and moral	e lecture is	Ionthly and
		rights of the patient	ights of the patient	theory	arterly exam
		gal and moral rights		5	5
		of workers in health			
		and medical			
		professions			
(8)	2	havioral dealing with	havioral dealing with	e lecture is	Ionthly and
		.the patient	the patient	theory	arterly exam
		eceiving and dealing			
		with the patient and			
		maintaining			
		professional secrets			
		Determine			
		appointments for			
		required procedures			
		Maintaining the -			
		patient's needs			
(9)	2	havioral handling of	havioral handling of	e lecture is	Ionthly and
		nedical devices and	nedical devices and	theory	arterly exam
		equipment	equipment		
		Daily access to -			
		devices, tools and			
		solutions			
		Requirements, -			
		preparing them for			
		uily work, sustaining			
		m, maintaining them			
		nd preserving them			

		Preparing the - cessary medications work and disposing .of them properly			
(10)	2	Conditions for the nbodiment of mental .health Definition of the - factors affecting it The role of mental - .health in diseases	conditions for the nbodiment of mental health	e lecture is theory	Ionthly and arterly exam
(11)	2	su Professional ompatibility and its ationship to work (its ncept and conditions)	Professional compatibility	e lecture is theory	Ionthly and arterly exam
(12)	2	Decupational safety eventing work risks - .and accidents eventing the risks of - pacterial, toxic and radioactive contamination eventing the risk of - infection from infectious and communicable .diseases Avoid wrong - actices in the field of .work	Occupational safety	e lecture is theory	Ionthly and arterly exam
(13)	2	The humanitarian, religious and mocratic dimensions of the health and nedical professions	The humanitarian,	e lecture is theory	Ionthly and arterly exam
(14)	2	e role of the medical ssociate in reporting nd spreading health culture among members of society actors of effective - communication between medical groups and patients	e role of the medical ssociate in reporting nd spreading health culture among nembers of society	e lecture is theory	Ionthly and arterly exam

		nditions necessary -				
		dical member during				
		his watch				
(15)	2	- Applications in	Applic	eations in	e lecture is	Ionthly and
(15)	2	rofessional behavior	rofession	al behavior	theory	arterly exam
35.	Co	ourse Evaluation	010000101			
Monthly Final the	theoreti oretical	cal exam 40 exam 60				
36. Le	earning	and Teaching Resour	ces			
Require	Required textbooks (curricular books, if any)			Professional Behavior - Written by Dr. Adnan Shaker - Dr. Hana Ahmed Taw - Dr. Abdullah Jassim		
	Main re	eferences (sources)		The Isla Profess: the Firs Medicin Forensi - writter A handl of docto A handl of docto Syndica	amic Constitut ion - Kuwait D t World Confe ne in Kuwait c medicine and n by Dr. Dhia book on the pr ors book on the pr ors - issued by ne 1977	ion for the Medic Document - 1981 Prence - Islamic d professional eth Al-Moussawi 198 ofessional behavi ofessional behavi the Iraqi Medical
Recom	mended jc	books and references (sc ournals, reports)	ientific	Profess Written 1970	ional Behavior by Dr. Raji A	for Doctors - bbas Al-Tikriti
EI	lectronic	References, Websites				

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155.	Course Name: Environ	ment Health
156.	Course Code: EH	
157.	Semester / Year: First	semester –
158.	Description Preparatio	on Date:19 /2/2024
159	Available Attendance Fo	orms: Form of attendance: academic + practical
applic	ation + on-site training (	hospitals and health centers)
160.	Number of Credit Hours	s (Total) / Number of Units (Total)
4 hou	rs (2 theoretical + 2 $\overline{pra}$	actical)
161.	Course administrator's	s name (mention all, if more than one name)
Name	: Haider farhan Abdulla	ıh
Email	:haider.abdullah.iba3@a	atu.edu.iq
162.	Course Objectives	
ırse Objectives		<ul> <li>General: The student should be able to identify the most important environmental components and their sources of pollution, toxins, poisoning with metals</li> <li>Specific Learn about water, soil and air pollution in cities and how to treat pollutants</li> <li>Treatment of all industrial waste</li> <li>Ground and surface water treatment</li> <li>Identify global environmental problems and heat emission</li> </ul>
163.	Teaching and Learning	Strategies
Strategy	Teaching and 1- Theoretical 2- Practical le 3- Method of o	learning methods l lecture method cture method discussion and dialogue

Week	Hours	Required Learning	Unit or subject	Learning	Evaluation
		Outcomes	name	method	method
(1)	2	Environmental health concept Objectives Types of environment	Environmental Health	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(2)	2	The concept and importance of environmental components ypes of pollutants id bioremediation	Environment components Environmental pollutants	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(3) (4)	4	Air pollution concept And risks that affect human health And risks affecting the environment	air pollution	e lecture is neory and practice	Theoretical, ractical and quarterly xamination
(5) (6)	4	Natural resources Unnatural sources ow to reduce the dangers of air pollution	air pollution	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(7)	2	What does air pollution ?mean Causes that lead to water pollution How can water be ?treated	Vater pollution	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(8) (9)	4	Causes of water pollution The main sources of water pollution Diseases resulting from Water pollution and how to treat it	Vater pollution	e lecture is heory and practice	Theoretical, ractical and quarterly xamination

(10)	2	Soil pollution concept Causes that lead to soil pollution Types of defects And treatment of soil pollution	Soil contamination	e lecture is neory and practice	Theoretical, ractical and quarterly xamination
(11)	2	Waste sources The impact of waste on the environment Waste treatment methods	Drainage of waste and waste	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(12)	4	Sources of waste and waste The impact of waste on the environment Waste treatment	Drainage of waste and waste	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(13)	2	Wastewater conceptMain sources ofwastewaterThe impact ofwastewater on theenvironmentProcessing effect	Sewage water treatment	e lecture is heory and practice	Theoretical, ractical and quarterly xamination
(14)	2	The effect of foods on food Diseases caused by food to humans How Reducing its harms	Environment, food, foodborne diseases Food preservation	e lecture is neory and practice	Theoretical, ractical and quarterly xamination
(15)	2	Types of insects and their impact on the environment Insect control methods	Insect and rodent control	e lecture is heory and practice	Theoretical, ractical and quarterly xamination

		What are rodents? How to control rodents				
37.	Со	urse Evaluation				
Monthly Monthly Final the 38. Le	Monthly theoretical exam 25 Monthly practical exam 15+ Final theoretical exam 35 +Final practical exam 25+ 38. Learning and Teaching Resources					
Requi	red textb	ooks (curricular books, if any)				
	Main	references (sources)				
Reco	mmende	d books and references (scien	tific			
		journals, reports)				
	Electroni	c References, Websites				