

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



Academic Program and Course Description Guide

2026–2025

Introduction:

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

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

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

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

Concepts and terminology:

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

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

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

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

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

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

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

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

Academic Program Description Form

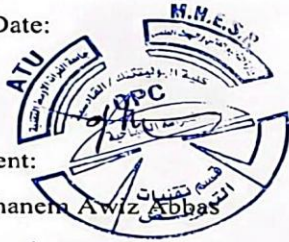
University Name: – Al-Furat Al-Awsat Technical University
Faculty/Institute: – Technical Institute / Diwaniyah
Scientific Department: – Department of Nursing Technologies
Academic or Professional Program Name: – Diploma in Nursing Technology
Final Certificate Name: Technical Diploma
Academic System: – terminal
Description Preparation Date: 12\4\2026
File Completion Date:

Signature:

Head of Department:

Assistant Prof. Ghancha Awiz Abbas

Date: 12/4/2026



Signature:

Scientific Associate: –

Prof. Dr. Khader Majeed Alawi

Date: 12/4/2026

The file is checked by: Assistant lecture Adnan Hameed
Department of Quality Assurance and University Performance
Director of the Quality Assurance and University Performance Department:

Date: 12/4/2026

Signature:

Approval of the Dean

1. Program Vision

Excellence in performance and achieving leadership in higher technical education by preparing technical nursing staff capable of meeting the needs of health sector institutions for trained nursing staff capable of providing nursing care to all patients according to a scientific method that keeps pace with current changes and developments and providing health institutions with specialized nursing staff according to the needs of the labor market and providing graduates with the knowledge and experience necessary to be leaders in nursing tasks and have a positive impact. Providing graduates with the knowledge and experience necessary to be leaders in nursing and public health, and to have a positive impact at the global and local levels.

2. Program Mission

Achieving excellence in teaching and learning in the field of nursing by developing and implementing strong educational programs and research activities that lead to enhancing health care services and reaching all members of society. Qualifying the department's students scientifically, practically and technically to meet the requirements of the field of work by relying on the efficiency of specialists and professional experience from the department's staff to apply advanced curricula and keep pace with modern nursing sciences and adhere to professional ethics and strive to achieve leadership in preparing a distinguished nursing staff to provide nursing services to patients and a level that achieves the international quality standards approved in the finest hospitals. Achieving excellence in teaching and learning in the field of nursing through the development and implementation of robust educational programs and research activities, leading to enhanced health care services and access to all members of the community.

3. Program Objectives

The department aims to graduate nursing staff with high technical skills capable of performing the nursing tasks required for treating and caring for the patient with the help of the attending physician in various health facilities. The main objectives are as follows:

First - Preparing nursing staff with multiple educational levels who are scientifically and practically qualified and able to deal with various modern technologies by providing the best care for the patient.

Second - Rejecting all health institutions from the needs of nursing staff and both genders.

Third - Activating the continuing education channel by developing nursing staff from holders of preparatory certificates by opening parallel courses to obtain a diploma in nursing sciences in addition to receiving the first students from the preparatory nursing school.

Fourth - Holding courses, seminars and workshops in various nursing sciences for all segments of society who wish to know the basics of nursing due to its importance at the individual and societal levels.

Fifth - Opening specialized branches for the Nursing Technology Department, How to preserve sight, emergency and critical care nursing, and midwifery and obstetrics nursing according to the needs of the labor market For this specialization

Sixth - Contributing to achieving the goals of sustainable development aims to graduate technical cadres capable of performing the nursing tasks required for treating and caring for the patient under the supervision of the doctor in the wards

Seventh - Preparing the student to become leaders in society in competence and professionalism in the field of nursing

Eighth - Emphasizing the importance of health education in the educational and professional aspects to increase individual, family and community awareness towards achieving self-care of the community

4. Program Accreditation

Is the program accredited? No.

The accreditation was submitted to the Council of Medical Specialties according to the standards of the National Council for Accreditation of Health and Medical Technology Colleges and Institutes. It was rejected

5. Other external influences

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

6. Program Structure				
Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	6	14	%19.3	
College Requirements				
Department Requirements	25	108	%80.7	
Summer Training	270			
Other				

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

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
			theoretical	practical
First Chapter one		Medical nursing	2	4
		Fundamental of nursing	2	4
		Anatomy	2	2
		Microbiology	2	2
		Biochemistry	2	2
		Computer applications (1)	1	2
		Human rights and democracy	2	-
		English language	2	-
		Medical terminology	2	-
First Chapter Second		Health assessment	2	6
		Surgical nursing	2	6
		Physiology	2	2
		Medical viruses and parasites	2	2
		Clinical chemistry	2	2
		Computer applications 2	1	2
		Biostatic	2	-
second chapter one		Pharmaceuticals	2	-
		Maternity nursing	2	4
		Child growth and development	2	4
		Baath crimes	2	-

	Principles of Psychiatric Nursing	2	4
	Primary health care	2	4
	research project	-	2
	Pediatric nursing	2	4
	Nutrition and food processing	2	-
	research project	-	2
	Psychiatric and mental health nursing	2	4
	Professional ethics	2	-
	Community health service	2	4
	Proposal	-	2
	Obstetrics nursing	2	4

8. Expected learning outcomes of the program

Knowledge

A1- The student's knowledge of participating in health inspection and control teams and assisting in the laboratory investigation of the samples that were examined and matching them with medical conditions.

A1-- The doctor assists in diagnostic, nursing and therapeutic procedures

A3- Operate and care for the devices and machines used in diagnosis and treatment.

A4- The graduate works within the health survey teams and health awareness campaigns

Skills

1b- He has the physical and psychological ability to perform the work

2b- He has a love for helping others and alleviating their pain

3b- Thinking skills

4b- Brainstorming

Ethics

B1 - Enabling the student to implement primary health care.

B2 - Enabling the student to work in teams of special surveys with infectious diseases and how to control them

B3 - Enabling the student to participate in the field of occupational safety and health.

9. Teaching and Learning Strategies

1. Theoretical lectures and the use of modern scientific methods in presenting lectures (datashow)

2. Practical application of theoretical vocabulary

3. Practical training in hospitals and primary health centers

10. Evaluation methods

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

1. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Assist prof. ganum ewaz abbs	Nursing	Children			1	
Assist prof. masar gabar	Veterinary	Phycology			1	
Assist prof. lala gasem	Science	Microbiology			1	
Lecturer marum atya	Science	Microbiology			1	
Lecturer ahlam abbs	Computers	Computers			1	
Lecturer nuwras adnan	Science	Cellular and Molecular Sciences			1	
Lecturer mohamad ganum	Chemistry	Clinical Chemistry			1	
Lecturer thanaa esmael	Veterinary	Parasitology			1	
Assist lecturer esraa abd alnathm Baraa galel	Science	Microbiology			2	
Assist lecturer weam abbas	Veterinary	Parasitology			1	

Assist lecturer wegdan hanon	Veterinary	Phycology			1	
Assist lecturer areeg fadil Rashaa hesen ahmad	Science	Psychology			2	
Assist lecturer gadeer ebraheem Saduaa kameel	Computers	Computers			2	
Assist lecturer aside thamer	law	Law			1	

Professional Development

Mentoring new faculty members

His continuous enrollment in continuing education courses to develop his experience and skills
 Change the workplace from time to time so that his work does not become routine and he acquires new skills in a new job
 Invite some relevant professional institutions and coordinate student training (methodological training) and discuss training curricula and rely on daily evaluation
 Updating the curriculum and continuous coordination with specialists in order to achieve the required level of study to benefit from its capabilities in this field.

Professional development of faculty members

Holding training courses within the institution and urging teachers to participate in training courses outside the institution. Holding workshops, scientific seminars and training courses aimed at providing teaching staff with the knowledge and experience necessary to keep pace with developments in the educational process. Encouraging scientific research.

2. Acceptance Criterion

According to the central acceptance plan

3. The most important sources of information about the program

Scientific methodological books in the field of specialization.
 Specialized practical books
 Websites of reputable and recognized international institutes and universities.

4. Program Development Plan

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

–Students gain the necessary experience in the field of work through summer training programs, visits, scientific trips, and graduation research projects.

– Holding development courses for graduates

	Surgical nursing	Basic	+	+		+	+	+	+	+	+	+	+	+	+
	Physiology	Assist	+	+		+	+	+	+	+	+	+	+	+	+
	Medical viruses and parasites	Assist					+	+	+	+					+
	Clinical chemistry	Assist			+										+
	Computer applications 2	General	+	+		+					+	+	+	+	
	Arabic language	General			+		+	+	+	+			+	+	
	Biostatic	Assist	+	+		+	+	+	+	+	+	+	+	+	+
	Computer Applications(2)	General	+	+		+	+	+	+	+	+	+	+	+	+
second	Pharmaceuticals	Assist	+	+		+	+	+	+	+	+	+	+	+	+
	Maternity nursing	Basic	+	+		+	+	+	+	+	+	+	+	+	+
	Child growth and development	Basic	+	+		+	+	+	+	+	+	+	+	+	+
	Baath crimes	Assist	+	+		+	+	+	+	+	+	+	+	+	+
	Principles of Psychiatric Nursing	basic													+

	Primary health care	basic	+	+		+						+	+	+	+
	research project	Assist											+	+	+
	Pediatric nursing	basic											+	+	+
	Nutrition and food processing	Basic	+	+		+	+	+	+	+	+	+	+	+	+
	research project	Assist	+	+		+	+	+	+	+	+	+	+	+	+
	Psychiatric and mental health nursing	Basic	+	+		+	+	+	+	+	+	+	+	+	+
	Professional ethics	Basic	+	+		+	+	+	+	+	+	+	+	+	+
	Community health	Basic			+							+	+	+	+

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

Course Description Form

1. Course Name:	
fundamental of nursing	
2. Course Code:	
3. Semester / Year:	
Semester first / 1st year	
4. Description Preparation Date:	
1\9\2025	
5. Available Attendance Forms:	
Direct	
6. Number of Credit Hours (Total) / Number of Units (Total)	
6*15= 90 hour =6 unit	
7. Course administrator's name (mention all, if more than one name)	
Name: barra galel saeed master Email: barra.saeed@atu.edu.iq	
8. Course Objectives	
<ol style="list-style-type: none"> 1. Defines nursing, nurse, chronic and acute diseases. 2. Understands the roles and functions of the nurse in patient care and the importance of health promotion. 3. Measures vital signs, temperature, respiration, blood pressure, and how to document the nursing. 4. Apply the physical examination of patients and the basic rules of personal protective equipment and prevent infection. 5. Performs nursing procedures: evaluation, diagnosis, nursing, application, and evaluation of nursing procedures. 	
9. Teaching and Learning Strategies	
Strategy	<ol style="list-style-type: none"> 1. Theoretical lectures and the use of modern scientific method in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	Definition (fundamental of nursing, nursing, nurse, health, disease, patient, client, hospital) fields of nursing, role& responsibilities of nurse.	Definition (fundamental of nursing, nursing, nurse, health, disease, patient, client, hospital) fields of nursing, role& responsibilities of nurse.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
2 nd	2	Admission & discharge of patient from hospital, Chart report, health record, nurse note (observations) of report. Nursing process (assessment, nursing diagnosis, planning, implementation, evaluation).	Admission & discharge of patient from hospital, Chart report, health record, nurse note (observations) of report. Nursing process (assessment, nursing diagnosis, planning, implementation, evaluation).	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
3 rd	2	Vital signs , definition of temperature, type of check temperature, definition of fever, causes, signs & symptom, nursing care of it, define the pulse, qualities of pulse factors affecting of pulse, site of taking pulse, define of respiration, definition of blood pressure. Definition of diastolic & systolic pressure, the factors that affected.	Vital signs , definition of temperature, type of check temperature, definition of fever, causes, signs & symptom, nursing care of it, define the pulse, qualities of pulse factors affecting of pulse, site of taking pulse, define of respiration, definition of blood pressure. Definition of diastolic & systolic pressure, the factors that affected.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
4 th	2	Administration OF medication , define of drug, Route of administration, Factors affecting on the drug activity, type of administration of medication and injection {I.M.I.V.,S.C.I.D,}Advantage& disadvantage.	Administration OF medication , define of drug, Route of administration, Factors affecting on the drug activity, type of administration of medication and injection {I.M.I.V.,S.C.I.D,}Advantage& disadvantage.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
5 th	2	Intravenous infusion , Types of fluid, Indication &contraindication &role of Nurse in giving intravenous infusion.	Intravenous infusion , Types of fluid, Indication &contraindication &role of Nurse in giving intravenous infusion.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
6 th & 7 th	2	Dressings and Bandages , Advantage of dressing, Types of dressings, Bandages are used to. Wounds & Bleeding , definition of wound, care and healing process, types of wound, phases of wound healing, type of wound exudate, function of exudate, factors affecting wound healing.	Dressings and Bandages , Advantage of dressing, Types of dressings, Bandages are used to. Wounds & Bleeding , definition of wound, care and healing process, types of wound, phases of wound healing, type of wound exudate, function of exudate, factors affecting wound healing.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
8 th	2	Suture : Suture Classification, suturing techniques, Equipment's, Principles of suturing, Suture removal,	Suture : Suture Classification, suturing techniques, Equipment's, Principles of suturing, Suture removal,	Giving a lecture and using explanations	The theoretical exam is paper-based,

					practical in the laboratory, and oral questions.
9 th	2	Body mechanics , Body position, principle of body Mechanics, importance of exercises, Common Dangers of Immobility.	Body mechanics , Body position, principle of body Mechanics, importance of exercises, Common Dangers of Immobility.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
10 th	2	Asepsis , Infection, stage of infection, Types of infection, Disinfection and sterilization surgical sterilization, Medical sterilization, kind of disinfectant and sterilization of surgical equipment, principle of Dressing .	Asepsis , Infection, stage of infection, Types of infection, Disinfection and sterilization surgical sterilization, Medical sterilization, kind of disinfectant and sterilization of surgical equipment, principle of Dressing .	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
11 th	2	Body Hygiene , Purpose, Bathing Pressure Ulcer (Bed sores), Causes of bed sores, Areas of pressure sores, care and Prevention	Body Hygiene , Purpose, Bathing Pressure Ulcer (Bed sores), Causes of bed sores, Areas of pressure sores, care and Prevention	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
12 th	2	Blood transfusion role of Nurse in giving blood transfusion, indication & contraindication, the goal of blood transfusion.	Blood transfusion role of Nurse in giving blood transfusion, indication & contraindication, the goal of blood transfusion.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
13 th	2	Administration of O2 , Types of giving O2, the goals, nursing intervention, equipment, Artificial respiration	Administration of O2 , Types of giving O2, the goals, nursing intervention, equipment, Artificial respiration	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
14 th	2	Enteral feeding : types of feeding tube, feeding tube indications & contraindication, the goals of it, nursing intervention, techniques, Equipment's	Enteral feeding : types of feeding tube, feeding tube indications & contraindication, the goals of it, nursing intervention, techniques, Equipment's	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
15 th	2	Definition of urinary catheterization, tracheotomy, pre-post-operative care. Complications of operative, nursing care of cardiac arrest and complication.	Definition of urinary catheterization, tracheotomy, pre-post-operative care. Complications of operative, nursing care of cardiac arrest and complication.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Principles of practical nursing foundations/Nazira Hussein of nursing phaeladelphia
Main references (sources)	Nadecra H. Fundamental of Nursing (practices) Foundation of Technical educations .MousL , 2000 Naaheda . M Fundamental of Nursing (theory).
Recommended books and references (scientific journals, reports...)	Ahlam Farag, Elham Amin - Basic Principles in Nursing - Ministry of Higher Education and Scientific Research - 2986
Electronic References, Websites	Foundation of Technical education Baghdad 2000. Spring house corporation, Nursing , procedures , publication ,Data . 1997.

Course Description Form

1. Course Name:					
Medical Nursing					
2. Course Code:					
3. Semester / Year:					
Semester first / 1st year					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
6 *15=90 hour =6 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: weam abbas hamad Email: weam.hamad@atu.edu.iq					
8. Course Objectives					
<p>. Defines nursing, nurse, chronic and acute diseases.</p> <p>2. Understands the roles and functions of the nurse in patient care and the importance of health promotion.</p> <p>3. Measures vital signs, temperature, respiration, blood pressure, and how to document the nursing.</p> <p>4. Apply the physical examination of patients and the basic rules of personal protective equipment and prevent infection.</p> <p>5. Performs nursing procedures: evaluation, diagnosis, nursing, application, and evaluation of nursing procedures.</p>					
9. Teaching and Learning Strategies					
Strategy	<p>Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</p> <p>2. Practical application of theoretical vocabulary</p> <p>3. Practical training in hospitals</p>				
10. Course Structure					
Week	Hours	Required Learning	Unit or subject	Learning	Evaluation

		Outcomes	name	method	method
1st	2	Concept of health and illness / medical terminology.	Concept of health and illness / medical terminology.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
2nd	2	Cardiovascular system, physical assessment, and diagnostic tests, Cardiovascular diseases /definition atherosclerosis/ arteriosclerosis/ angina /type of angina /clinical manifestations, nursing interventions.	Cardiovascular system, physical assessment, and diagnostic tests, Cardiovascular diseases /definition atherosclerosis/ arteriosclerosis/ angina /type of angina /clinical manifestations, nursing interventions.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
3rd	2	Myocardial Infarction/causes/signs and symptoms / diagnostic test/treatment/nursing intervention.	Myocardial Infarction/causes/signs and symptoms / diagnostic test/treatment/nursing intervention.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
4th	2	Heart failure, Causes, Signs of left-sided heart failure and types of dyspnea, Signs right-sided heart failure, Diagnostic tests, Nursing Care, and management.	Heart failure, Causes, Signs of left-sided heart failure and types of dyspnea, Signs right-sided heart failure, Diagnostic tests, NursingCare, and management.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
5th	2	Respiratory disorders /chronic obstructive pulmonary disease/chronic bronchitis. Causes/signs and symptoms / diagnostic test/treatment/nursing intervention.	Respiratory disorders /chronic obstructive pulmonarydisease/chronic bronchitis. Causes/signs and symptoms / diagnostic test/treatment/nursing intervention.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
6th	2	Neurologic Disorders / Stroke (C.V.A). Sign and symptoms /treatment/nursing care and education.	Neurologic Disorders / Stroke (C.V.A). Sign and symptoms /treatment/nursing care and education.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
7th	2	The endocrine system, physical ,assessment and diagnostic tests, Diabetes Mellitus /definition types / sign and symptoms /treatment/nursing education.	The endocrine system, physical ,assessment and diagnostic tests, Diabetes Mellitus /definition types / sign and symptoms /treatment/nursing education.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
8th	2	Viral Hepatitis, Types, causes sign and symptoms /treatment/nursing care and education.	Viral Hepatitis, Types, causes sign and symptoms /treatment/nursing care and education.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
9th	2	Pancreatitis causes sign and symptoms	Pancreatitis causes sign and symptoms	Giving a lecture and using	The theoretical exam is paper-

		/treatment/nursing care and education.	/treatment/nursing care and education.	explanations	based, practical in the laboratory, and oral questions.
10th	2	Blood diseases /Anaemia Types, causes sign and symptoms /treatment/nursing care and education.	Blood diseases /Anaemia Types, causes sign and symptoms /treatment/nursing care and education.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
11th	2	Blood diseases /Leukaemia Types, causes sign and symptoms /treatment/nursing care and education.	Blood diseases /Leukaemia Types, causes sign and symptoms /treatment/nursing care and education.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
12th	2	Renal and urologic system, physical assessment and diagnostic tests, Renal Calculi /causes /sign and symptoms /types of urinary stone / diagnosis tests /treatment /nursing care.	Renal and urologic system, physical assessment and diagnostic tests, Renal Calculi /causes /sign and symptoms /types of urinary stone / diagnosis tests /treatment /nursing care.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
13th	2	Chronic renal failure /causes /diagnosis / treatment /nursing care.	Chronic renal failure /causes /diagnosis / treatment /nursing care.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
14th	2	Immunologic disorders / Acquired immune deficiency syndrome (AIDS). Sign and symptoms /treatment/nursing care.	Immunologic disorders / Acquired immune deficiency syndrome (AIDS). Sign and symptoms /treatment/nursing care.	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.
15th	2	Cancer Basics introduction / major risk factors /cancer screening / warning signs / tumor types /tumor staging	Cancer Basics introduction / major risk factors /cancer screening / warning signs / tumor types /tumor staging	Giving a lecture and using explanations	The theoretical exam is paper-based, practical in the laboratory, and oral questions.

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Principles of practical nursing foundations/Nazira Hussein of nursing phaeladelphia
Main references (sources)	Smith & Ghips " Medical Surgical Nursing Philadelphia 2000 .
Recommended books and references (scientific journals, reports...)	Ahlam Farag, Elham Amin - Basic Principles in Nursing - Ministry of Higher Education and Scientific Research - 2986
Electronic References, Websites	inghouse Corporation : Nursing Procedures "Publication Data 1992

Course Description Form

1. Course Name:					
Antomy					
2. Course Code:					
3. Semester / Year:					
Semester first / 1st year					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4 *15=60 hour = 4 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: nawras adnan abdl ameer Email: dw.noras@atu.edu.iq					
8. Course Objectives					
<p>. The student can be able to know: Anatomy of the human body systems. Specific objectives:</p> <p>. The organs of the body in relating to the surface of the body. The relation of the organs of each system.</p>					
9. Teaching and Learning Strategies					
Strategy		Theoretical lectures and the use of modern scientific method in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	-Anatomical Directions: Giving the altgram to the all directions of the human body. -Surface anatomy heart: Describe the position of the heart according to the chest wall and the number of the rib.	-Anatomical Directions: Giving the altgram to the all directions of the human body. -Surface anatomy heart: Describe the position of the heart according to the chest wall and the number of the rib.	Giving a lecture and using explanations	Examinations

2 nd	2	<p>-Surface Anatomy of lungs: Describe the position of the lungs according to the chest wall and the number of the rib.</p> <p>-Anatomy of the abdomen surface: draw the regions of the abdominal surface according to the horizontally & vertically lines.</p>	<p>-Surface Anatomy of lungs: Describe the position of the lungs according to the chest wall and the number of the rib.</p> <p>-Anatomy of the abdomen surface: draw the regions of the abdominal surface according to the horizontally & vertically lines.</p>	Giving a lecture and using explanations	Examinations
3 rd	2	<p>-Anatomy of stomach: demonstrate the relation of the stomach to the other organs to the abdomen.</p> <p>-Anatomy of Intestine: demonstrate the relation of the Intestine to the other organs to the abdomen.</p> <p>-Anatomy of the Appendix: define the region of the appendix at the right iliac region.</p> <p>Anatomy of the liver & spleen: show them the regions of liver & spleen according to the surface anatomy of abdomen.</p> <p>-Anatomy of the gall bladder: determine the region of gall bladder at the right sub – costal region .define the region of the uterus at the supra – pubic region.</p>	<p>-Anatomy of stomach: demonstrate the relation of the stomach to the other organs to the abdomen.</p> <p>-Anatomy of Intestine: demonstrate the relation of the Intestine to the other organs to the abdomen.</p> <p>-Anatomy of the Appendix: define the region of the appendix at the right iliac region.</p> <p>Anatomy of the liver & spleen: show them the regions of liver & spleen according to the surface anatomy of abdomen.</p> <p>-Anatomy of the gall bladder: determine the region of gall bladder at the right sub – costal region .define the region of the uterus at the supra – pubic region.</p>	Giving a lecture and using explanations	Examinations
4 th	2	<p>Anatomy of the skeleton: We describe the central skeleton system: Skull – vertebral column & the peripheral. Bones of the skull and vertebral column:name the numbers of the bones on all at surfaces of the skull. Show the student the types of the vertebrae column and there numbers.</p>	<p>Anatomy of the skeleton: We describe the central skeleton system: Skull – vertebral column & the peripheral. Bones of the skull and vertebral column:name the numbers of the bones on all at surfaces of the skull. Show the student the types of the vertebrae column and there numbers.</p>	Giving a lecture and using explanations	Examinations
5 th	2	<p>Anatomy of the upper limb: show the bones of the shoulder on the skeleton which is the scapula and the clavicle.</p>	<p>Anatomy of the upper limb: show the bones of the shoulder on the skeleton which is the scapula and the clavicle.</p>	Giving a lecture and using explanations	Examinations

		Show the bones of the arm (humerus).	Show the bones of the arm (humerus).		
6 th	2	Anatomy of forearm - Show the bones of the forearm: (ulna and radius). - Demonstrate the bones of the hand : (Carpal bones and meta carpal and phalanges).	Anatomy of forearm - Show the bones of the forearm: (ulna and radius). - Demonstrate the bones of the hand : (Carpal bones and meta carpal and phalanges).	Giving a lecture and using explanations	Examinations
7 th	2	Anatomy of the Lower limb: Bones of the pelvis : define the bones of the pelvis which are : (Ilium and Ischium, Pubis and sacrum). Bones of the thigh: demonstrate of the skeleton the femur bone with the lower and upper ends.	Anatomy of the Lower limb: Bones of the pelvis : define the bones of the pelvis which are : (Ilium and Ischium, Pubis and sacrum). Bones of the thigh: demonstrate of the skeleton the femur bone with the lower and upper ends.	Giving a lecture and using explanations	Examinations
8 th	2	Bones of the leg : show the bones which are : (Tibia & fibula) And extraction to the femur and the foot. Bones of the foot: describe the bones which are: (Tarsal & metatarsal & phalanges).	Bones of the leg : show the bones which are : (Tibia & fibula) And extraction to the femur and the foot. Bones of the foot: describe the bones which are: (Tarsal & metatarsal & phalanges).	Giving a lecture and using explanations	Examinations
9 th	2	Anatomy of Musculoskeletal System Muscle of the shoulder : show them on the model all the muscles of the shoulder Anatomy of the chest wall : give the types and numbers of the ribs and declaration of the sternum	Anatomy of Musculoskeletal System Muscle of the shoulder : show them on the model all the muscles of the shoulder Anatomy of the chest wall : give the types and numbers of the ribs and declaration of the sternum	Giving a lecture and using explanations	Examinations
10 th	2	Muscles of the chest & abdomen : give the name of the muscles of the chest wall and abdominal wall. Muscles of the back & gluteal region : show the student muscles of the back and gluteal muscles	Muscles of the chest & abdomen : give the name of the muscles of the chest wall and abdominal wall. Muscles of the back & gluteal region : show the student muscles of the back and gluteal muscles	Giving a lecture and using explanations	Examinations
11 th	2	Anatomy of the cardiovascular system : describe the anatomy and the structure of heart and the main arteries and veins around the body.	Anatomy of the cardiovascular system : describe the anatomy and the structure of heart and the main arteries and veins around the body.	Giving a lecture and using explanations	Examinations
12 th	2	Anatomy of the digestive system: show them the	Anatomy of the digestive system: show them the	Giving a lecture	Examinations

		model of the organs of the digestive system.	model of the organs of the digestive system.	and using explanations	
13th	2	Respiratory system: demonstrate the lungs and bronchus and bronchi.	Respiratory system: demonstrate the lungs and bronchus and bronchi.	Giving a lecture and using explanations	Examinations
14th	2	The urogenital system: show them the kidney and urinary bladder with exaltation to the uterus & prostate.	The urogenital system: show them the kidney and urinary bladder with exaltation to the uterus & prostate.	Giving a lecture and using explanations	Examinations
15th	2	The central nervous system: describe the brain, cerebellum, medulla oblongata and the spinal cord.	The central nervous system: describe the brain, cerebellum, medulla oblongata and the spinal cord.	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Principles of practical nursing Anatomy
Main references (sources)	Atlas of anatomy (Grantes) / 1998
Recommended books and references (scientific journals, reports...)	Kingham anatomy – Oxford – London / 1987 .
Electronic References, Websites	

Course Description Form

1. Course Name:					
Microbiology					
2. Course Code:					
3. Semester / Year:					
Semester first / 1st year					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4 *15=60 hour =4 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: layla jasem shebath Email: laila@atu.edu.iq					
8. Course Objectives					
. Students will be to know					
1. Microorganism, Viral and Bacteria.					
2. Sterilization and Disinfection.					
3. Medical microbiology.					
4. Microbiology causes disease for human.					
5. Prevention and treatment of disease.					
6. Diagnosis of bacteria.					
7. Sensitivity test for antibiotics.					
8. Immunological defense mechanism against diseases					
9. Teaching and Learning Strategies					
Strategy		Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)			
		2. Practical application of theoretical vocabulary			
		3. Practical training in hospitals			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	History of biosafety microbiology and molecular	History of biosafety microbiology and molecular	Giving a lecture	Examinations

		biology Biosafety levels Personal protective equipments.	biology Biosafety levels Personal protective equipments.	and using explanations	
2nd	2	Classification of microorganism. Cutaneous, Genitourinary, Gastrointestinal, Hepatic and Hemorrhagic viral diseases (Clinical appearances, diagnosis and treatment)	Classification of microorganism. Cutaneous, Genitourinary, Gastrointestinal, Hepatic and Hemorrhagic viral diseases (Clinical appearances, diagnosis and treatment)	Giving a lecture and using explanations	Examinations
3rd	2	General introduction of bacteriology General structure of bacteria. Sterilization and disinfection , Culture media and staining	General introduction of bacteriology General structure of bacteria. Sterilization and disinfection , Culture media and staining	Giving a lecture and using explanations	Examinations
4th	2	Environmental conditions are affected on the growth of bacteria Stages of bacterial growth , Bacterial growth inhibition	Environmental conditions are affected on the growth of bacteria Stages of bacterial growth , Bacterial growth inhibition	Giving a lecture and using explanations	Examinations
5th	2	Medical bacteria: Staphylococci Group , <i>Staphylococcus aureus</i> , <i>epidermidis</i> , <i>saprophyticus</i> , general characters, toxins, pathogenicity treatment.	Medical bacteria: Staphylococci Group , <i>Staphylococcus aureus</i> , <i>epidermidis</i> , <i>saprophyticus</i> , general characters, toxins, pathogenicity treatment.	Giving a lecture and using explanations	Examinations
6th	2	Streptococci Group, Streptococcus pneumoniae:- general structure, diseases , pathogenicity and treatment S.viridans , S.faccalis , S.pyogens general structure , culture Media pathogenicity.	Streptococci Group, Streptococcus pneumoniae:- general structure, diseases , pathogenicity and treatment S.viridans , S.faccalis , S.pyogens general structure , culture Media pathogenicity.	Giving a lecture and using explanations	Examinations
7th	2	Neisseria group: General, meningococci, general structure, disease. Mycobacterium: Mycobacterium tuberculosis types, general structure, culture media resistance, disease cause, identification, treatment. Mycobacterium leprae: general characters, pathogenicity, diagnosis, treatment.	Neisseria group: General, meningococci, general structure, disease. Mycobacterium: Mycobacterium tuberculosis types, general structure, culture media resistance, disease cause, identification, treatment. Mycobacterium leprae: general characters, pathogenicity, diagnosis, treatment.	Giving a lecture and using explanations	Examinations
8th	2	Clostridia (anaerobic): General characters, Clostridium tetani: description, disease factors enhance growth in the wounds, prevention treatment.	Clostridia (anaerobic): General characters, Clostridium tetani: description, disease factors enhance growth in the wounds, prevention treatment.	Giving a lecture and using explanations	Examinations
9th	2	Gas gangrene (clostridial	Gas gangrene (clostridial	Giving a	Examinations

		myonecrosis): Description, disease, treatment, food, poisoning clostridia, toxins secreted in the foods, symptoms, treatment. Bacillus anthrax: description, disease, treatment	myonecrosis): Description, disease, treatment, food, poisoning clostridia, toxins secreted in the foods, symptoms, treatment. Bacillus anthrax: description, disease, treatment	lecture and using explanations	
10th	2	Intestinal bacteria types, medical importance, general characters, cultures identification. pathogenic intestinal bacteria Salmonella group: symptoms, poisoning, treatment	Intestinal bacteria types, medical importance, general characters, cultures identification. pathogenic intestinal bacteria Salmonella group: symptoms, poisoning, treatment	Giving a lecture and using explanations	Examinations
11th	2	Shigella disease: treatment, shigella food poisoning, symptoms, proteus, disruption, culture	Shigella disease: treatment, shigella food poisoning, symptoms, proteus, disruption, culture	Giving a lecture and using explanations	Examinations
12th	2	Brucella: general characters, disease, diagnosis, treatment. bordetella, disruption morphology and culture, disease, treatment.	Brucella: general characters, disease, diagnosis, treatment. bordetella, disruption morphology and culture, disease, treatment.	Giving a lecture and using explanations	Examinations
13th	2	Vibrio comma: Cholerae, general characters, disease, identification, treatment	Vibrio comma: Cholerae, general characters, disease, identification, treatment	Giving a lecture and using explanations	Examinations
14th	2	Tryponema: General characters diagnostic examination. lebtospira :- characters, diagnosis, treatment	Tryponema: General characters diagnostic examination. lebtospira :- characters, diagnosis, treatment	Giving a lecture and using explanations	Examinations
15th	2	Immunity, infection, inflammation and resistance, non-specific natural defense, acquired immunity.	Immunity, infection, inflammation and resistance, non-specific natural defense, acquired immunity.	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Review of medical microbiology 14 th Edition Tawetz , J.i. melnigk , E , A. Adelberg . 1980 .
Main references (sources)	2- Hadout by the committee of microbiology .
Recommended books and references (scientific journals, reports...)	3- A short text book of medical microbiology By , satish Guptr , , Endia – 1987
Electronic References, Websites	Parasitology , Noble Eliner R. 1976

Course Description Form					
1. Course Name:					
Biochemistry					
2. Course Code:					
3. Semester / Year:					
Semester first / 1st year					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4 *15=60hour =4 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: mohamad ganm abbas Email: mohamad.Alkhuzaie@atu.edu.iq					
8. Course Objectives					
<p>. Upon completion of the course, the students will be able to:</p> <ul style="list-style-type: none"> • Determine the biochemical composition of the body. • Know basic cellular structure. • Know the special properties of water and how the aqueous environment influences the behavior of biological macromolecules. • Know the structure of proteins, carbohydrates, lipid, hormones and nucleic acids. • Determine the enzymatic activity. • Know metabolic processes in cells. • 					
9. Teaching and Learning Strategies					
Strategy		<p>Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)</p> <p>2. Practical application of theoretical vocabulary</p> <p>3. Practical training in hospitals</p>			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	General chemistry - chemical reactions (oxidative, reduction, hydrolysis) - measurements in chemistry (qualitative & quantitative assays of	General chemistry - chemical reactions (oxidative, reduction, hydrolysis) - measurements in chemistry (qualitative & quantitative	Giving a lecture and using explanations	Examinations

		substance)	assays of substance)		
2nd	2	<p>I. History & scope of biochemistry</p> <p>II. Cell biochemistry</p> <ul style="list-style-type: none"> -subcellular organelles & cell membranes (structure and functions) -mechanisms of regulation of PH - acid- base balance <p>III. Homeostasis mechanisms</p> <p>IV. Transport through biological cell</p>	<p>I. History & scope of biochemistry</p> <p>II. Cell biochemistry</p> <ul style="list-style-type: none"> -subcellular organelles & cell membranes (structure and functions) -mechanisms of regulation of PH - acid- base balance <p>III. Homeostasis mechanisms</p> <p>IV. Transport through biological cell</p>	Giving a lecture and using explanations	Examinations
3rd	2	<p>Water and electrolytes balance & imbalance</p> <p>I. Water</p> <ul style="list-style-type: none"> - disturbance & balance - Intake & output of water <p>II. Electrolyte</p> <ul style="list-style-type: none"> - composition and disorder of (sodium, potassium, iron, calcium& chloride) <p>III. Biomolecules - structures-functions- properties</p>	<p>Water and electrolytes balance & imbalance</p> <p>I. Water</p> <ul style="list-style-type: none"> - disturbance & balance - Intake & output of water <p>II. Electrolyte</p> <ul style="list-style-type: none"> - composition and disorder of (sodium, potassium, iron, calcium& chloride) <p>III. Biomolecules - structures-functions- properties</p>	Giving a lecture and using explanations	Examinations
4th	2	<p>Amino acid &Proteins</p> <ul style="list-style-type: none"> ➤ Amino acid • Classification & properties of amino acid • General metabolism of amino acid & formation of ammonia • Peptide synthesis ➤ proteins • Structures, properties & classification of protein • Function of protein • Catabolism & nitrogen balance • Urea cycle 	<p>Amino acid &Proteins</p> <ul style="list-style-type: none"> ➤ Amino acid • Classification & properties of amino acid • General metabolism of amino acid & formation of ammonia • Peptide synthesis ➤ proteins • Structures, properties & classification of protein • Function of protein • Catabolism & nitrogen balance • Urea cycle 	Giving a lecture and using explanations	Examinations
5th	2	<p>Enzymes</p> <ul style="list-style-type: none"> ➤ Definition & general characteristic ➤ Classification ➤ Enzyme specificity ➤ Enzyme catalysis& active site ➤ Factors influencing enzyme activity 	<p>Enzymes</p> <ul style="list-style-type: none"> ➤ Definition & general characteristic ➤ Classification ➤ Enzyme specificity ➤ Enzyme catalysis& active site ➤ Factors influencing enzyme activity 	Giving a lecture and using explanations	Examinations
6th - 7th	2	<p>Carbohydrate</p> <ul style="list-style-type: none"> • Definition, classification& biological importance, Glycosidic bond • Metabolism of carbohydrate - Glycolysis & Gluconeogenesis - Glycogenolysis & Glycogenesis • Metabolism of disaccharide & polysaccharide • Energetic of metabolic cycle 	<p>Carbohydrate</p> <ul style="list-style-type: none"> • Definition, classification& biological importance, Glycosidic bond • Metabolism of carbohydrate - Glycolysis & Gluconeogenesis - Glycogenolysis & Glycogenesis • Metabolism of disaccharide & 	Giving a lecture and using explanations	Examinations

			polysaccharide • Energetic of metabolic cycle		
8 th - 9 th	2	Lipids ❖ Classification – structure – properties -Function ❖ Neutral fats (TAG)- storage, hydrolysis, ❖ Metabolism ❖ Cholesterol -function & metabolism ❖ Lipoprotein structure	Lipids ❖ Classification – structure – properties -Function ❖ Neutral fats (TAG)- storage, hydrolysis, ❖ Metabolism ❖ Cholesterol -function & metabolism ❖ Lipoprotein structure	Giving a lecture and using explanations	Examinations
10-11	2	Hormone ➤ Definition & function ➤ Mechanism of action of hormone ➤ Effect and properties of some hormones	Hormone ➤ Definition & function ➤ Mechanism of action of hormone ➤ Effect and properties of some hormones	Giving a lecture and using explanations	Examinations
12-13	2	Nucleotides ▪ N-bases, nucleosides, nucleotides, RNA& DNA ▪ Degradation of purine, pyrimidin & nucleotide ▪ Metabolism disorder of purine & pyrimidin ▪ free radicals - definition, generation - free radical scavenger(enzyme system) ▪ anti-oxidants (definition & types) - role of antioxidants in the body	Nucleotides ▪ N-bases, nucleosides, nucleotides, RNA& DNA ▪ Degradation of purine, pyrimidin & nucleotide ▪ Metabolism disorder of purine & pyrimidin ▪ free radicals - definition, generation - free radical scavenger(enzyme system) ▪ anti-oxidants (definition & types) - role of antioxidants in the body	Giving a lecture and using explanations	Examinations
14 th . 15 th	2	Vitamins & minerals I. Vitamins ➤ definition, classification, sources, structure, deficiency & excess II. Minerals ➤ trace metals (Zn, Cu, Se and Co) ➤ metals poisoning (Hg, Cd, Al and Pb) ➤ detoxification & biotransformation	Vitamins & minerals I. Vitamins ➤ definition, classification, sources, structure, deficiency & excess II. Minerals ➤ trace metals (Zn, Cu, Se and Co) ➤ metals poisoning (Hg, Cd, Al and Pb) ➤ detoxification & biotransformation	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Fundamental of clinical chemistry / Norbert Tietz
Main references (sources)	Clinical chemical pathology / G.H. Gary
Recommended books and references (scientific journals, reports...)	Basic Techniques for the medical laboratory / Jean Jorgenas

Course Description Form

1. Course Name:

Biostatic

2. Course Code:

3. Semester / Year:

Semester second / 1st year

4. Description Preparation Date:

1\9\2025

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

2 * 15=30 hour =2 unit

7. Course administrator's name (mention all, if more than one name)

Name: sadia kameel awad

Email: sadia.awad@atu.edu.iq

8. Course Objectives

At the end of the course, students will be able to process statistical data, analyze it, and communicate Correct conclusions and preparing statistical forms

Special objectives:-

The student learns about:-

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 and deathsAnd diseases.

9. Teaching and Learning Strategies

Strategy

Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)
2. Practical application of theoretical vocabulary

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	Definition of statistics. Data collection methods - presenting and describing statistical data	Definition of statistics. Data collection methods - presenting and describing statistical data	Giving a lecture and using explanations	Examinations
2 nd	2	Representing frequency distributions for "classified data"	Representing frequency distributions for "classified data"	Giving a lecture and using explanations	Examinations
3 rd	2	Tabular display "Frequency distribution tables"	Tabular display "Frequency distribution tables"	Giving a lecture and using explanations	Examinations
4 th	2	Graphical display - histogram, histogram, histogram, and polygon.	Graphical display - histogram, histogram, histogram, and polygon.	Giving a lecture and using explanations	Examinations
5 th	2	Measures of central tendency	Measures of central tendency	Giving a lecture and using explanations	Examinations
6 th	2	-Arithmetic mean . The mediator. The mode.	-Arithmetic mean . The mediator. The mode.	Giving a lecture and using explanations	Examinations
7 th	2	Life statistics, ratio and rate	Life statistics, ratio and rate	Giving a lecture and using explanations	Examinations
8 th	2	Fertility statistics.	Fertility statistics.	Giving a lecture and using explanations	Examinations
9 th	2	Disease statistics - life tables.	Disease statistics - life tables.	Giving a lecture and using explanations	Examinations
10 th	2	Definition of health statistics and its sources.	Definition of health statistics and its sources.	Giving a lecture and using explanations	Examinations
11 th	2	Definition of statistics. Data collection methods - presenting and describing statistical data	Definition of statistics. Data collection methods - presenting and describing statistical data	Giving a lecture and using explanations	Examinations
12 th	2	Representing frequency distributions for "classified data"	Representing frequency distributions for "classified data"	Giving a lecture and using explanations	Examinations
13 th	2	Tabular display "Frequency distribution tables"	Tabular display "Frequency distribution tables"	Giving a lecture and using explanations	Examinations
14 th	2	Graphical display - histogram, histogram, histogram, and polygon.	Graphical display - histogram, histogram, histogram, and polygon.	Giving a lecture and using explanations	Examinations
15 th	2	Measures of central tendency	Measures of central tendency	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	W. Dixon and F. Massey – Introduction to statistical Analysis
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Banderrfort Hill , Fundament in Biostistics
Electronic References, Websites	

Course Description Form

1. Course Name:

Computer1

2. Course Code:

3. Semester / Year:

Semester first / 1st year

4. Description Preparation Date:

1\9\2025

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

3 *15=45 hour =3 unit

7. Course administrator's name (mention all, if more than one name)

Name: ahlam abbas baty

Email: dw.ahl@atu.edu.iq

8. Course Objectives

General goal: To provide the student with the skills of dealing with basic office applications and creating files

And office documents. The use of the operating system as well as the basics of working within the digital environment.

- Specific objective: To provide the student with knowledge in managing and using various computer applications

9. Teaching and Learning Strategies

Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	1	Computer basics	Computer basics	Giving a lecture and using explanations	Examinations
2 nd	1	Fundamentals Computer concept, phases	Fundamentals Computer concept, phases	Giving a lecture and using	Examinations

				explanations	
3rd	1	Computer life cycle, development of computer generations	Computer life cycle, development of computer generations	Giving a lecture and using explanations	Examinations
4th	1	Classification of computer advantages and areas of use	Classification of computer advantages and areas of use	Giving a lecture and using explanations	Examinations
5th	1	Computer in terms of purpose, size and type	Computer in terms of purpose, size and type	Giving a lecture and using explanations	Examinations
6th	1	Computer software licenses and their types,	Computer software licenses and their types,	Giving a lecture and using explanations	Examinations
7th	1	intellectual property, electronic hacking,	intellectual property, electronic hacking,	Giving a lecture and using explanations	Examinations
8th	1	Malware, the most important necessary steps	Malware, the most important necessary steps	Giving a lecture and using explanations	Examinations
9th	1	To protect against hacking and damage	To protect against hacking and damage	Giving a lecture and using explanations	Examinations
10th	1	Computer on health	Computer on health	Giving a lecture and using explanations	Examinations
11th	1	Operating Systems	Operating Systems	Giving a lecture and using explanations	Examinations
12th	1	Definition of operating system, functions, goals	Definition of operating system, functions, goals	Giving a lecture and using explanations	Examinations
13th	1	Classification: Examples of some operating systems	Classification: Examples of some operating systems	Giving a lecture and using explanations	Examinations
14th	1	Operating Systems	Operating Systems	Giving a lecture and using explanations	Examinations
15th	1	Computer software licenses and their types,	Computer software licenses and their types,	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Computer 2023 AD Muhammad Salem Doubel

	Not available Computer and ready-made software Basic skills Windows 7 Office 2010 (Arabic - English) (Color edition - scientifically and methodologically reviewed) Computer Encyclopedia Part Two Tariq Al-Rawi Computer, modern technology and cybercrime Adnan Ali Thabet Tayash.
Main references (sources)	(Color edition - scientifically and methodologically reviewed) Computer Encyclopedia Part Two Tariq Al-Rawi Computer, modern technology and cybercrime Adnan Ali Thabet Tayash.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:

English

2. Course Code:

3. Semester / Year:

Semester first / 1st year

4. Description Preparation Date:

1\9\2025

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

2 *15=30 hour =2 unit

7. Course administrator's name (mention all, if more than one name)

Name: raneen mofak fadil

Email: raneen.fadal@atu.edu.iq

8. Course Objectives

- Students should be able to:
 1. Develop their intellectual, personal and professional abilities.
 2. Acquire basic language skills (listening, speaking, reading and writing) in order to communication with speakers of English language.
 3. Acquire the linguistic competence necessarily required in various life situations.
 4. Acquire the linguistic competence required in different professions.
 5. Develop positive attitudes towards learning English.
 6. Develop the linguistic competence that enables them, in the future, to present the culture and civilization of their nation.
 7. Acquire the linguistic bases that enable them to participate in transferring the scientific and technological advances of other nations to their nation.

9. Teaching and Learning Strategies

Strategy	Theoretical lectures and the use of modern scientific methods presenting lectures (data show) 2. Practical application of theoretical vocabulary
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	speakers of English language, also acquire the linguistic	speakers of English language, also acquire the	Giving a lecture	Examinations

		competence necessarily required in various life situations. And develop their awareness of the importance of English as a means of international communication.	linguistic competence necessarily required in various life situations. And develop their awareness of the importance of English as a means of international communication.	and using explanations	
2nd	2	Pronunciation . Translation. Everyday English (Directions)	Pronunciation . Translation. Everyday English (Directions)	Giving a lecture and using explanations	Examinations
3rd	2	Grammar (was/ were, past tense , irregular verbs). Writing(Famous people). Vocabulary (Words groups) .	Grammar (was/ were, past tense , irregular verbs). Writing(Famous people). Vocabulary (Words groups) .	Giving a lecture and using explanations	Examinations
4th	2	Grammar (past simple, regular verbs, irregular verbs) . Listening (Mike's day), Writing (Last Saturday).	Grammar (past simple, regular verbs, irregular verbs) . Listening (Mike's day), Writing (Last Saturday).	Giving a lecture and using explanations	Examinations
5th	2	Everyday English (Fill in forms) Exercises .	Everyday English (Fill in forms) Exercises .	Giving a lecture and using explanations	Examinations
6th	2	Listening (Can I be in your Pop group ?). Pronunciation (can / can't). Requests and offers .	Listening (Can I be in your Pop group ?). Pronunciation (can / can't). Requests and offers .	Giving a lecture and using explanations	Examinations
7th	2	Everyday English (What is the problem?) . Vocabulary (odd one out)	Everyday English (What is the problem?) . Vocabulary (odd one out)	Giving a lecture and using explanations	Examinations
8th	2	Grammar (present continuous). Translation . Reading (Summer in Portugal).	Grammar (present continuous). Translation . Reading (Summer in Portugal).	Giving a lecture and using explanations	Examinations
9th	2	Everyday English (What is the matter ?) . Exercises .	Everyday English (What is the matter ?) . Exercises .	Giving a lecture and using explanations	Examinations
10th	2	Grammar (present continuous for the future) . Listening (Hannah's diary) .	Grammar (present continuous for the future) . Listening (Hannah's diary) .	Giving a lecture and using explanations	Examinations
11th	2	Translation . Vocabulary (Transport and travel) .	Translation . Vocabulary (Transport and travel) .	Giving a lecture and using explanations	Examinations
12th	2	Reading and Speaking . Everyday English (going Sightseeing)	Reading and Speaking . Everyday English (going Sightseeing)	Giving a lecture and using explanations	Examinations
13th	2	Speaking (How to have good time in Sydney) . Exercises .	Speaking (How to have good time in Sydney) . Exercises .	Giving a lecture and using explanations	Examinations
14th	2	Vocabulary (Months , sports) .	Vocabulary (Months , sports) .	Giving a lecture	Examinations

		Pronunciation (Who were they ?).	Pronunciation (Who were they ?).	and using explanations	
15th	2	Vocabulary (Adverbs) Everyday English (May I?) Exercises	Vocabulary (Adverbs) Everyday English (May I?) Exercises	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Ladies' Detective Agency by Alexander McCall Smith... .
Main references (sources)	The Fault in Our Stars by John Green. ...
Recommended books and references (scientific journals, reports...)	The Thursday Murder Club by Richard Osman. ...
Electronic References, Websites	

Course Description Form

1. Course Name:

Health Assessment

2. Course Code:

3. Semester / Year:

Semester second / 1st year

4. Description Preparation Date:

1\9\2025

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

6 *15= 90 hour =6 unit

7. Course administrator's name (mention all, if more than one name)

Name: baraa jalal saeed

Email: baraa.saeed@atu.edu.iq

8. Course Objectives

. At the end of this course the students will be able to:

- 1- Describe the components of the health history
- 2- Apply interviewing skills and techniques to conduct a successful interview.
- 3- Evaluate the persons' general health status .
- 4- Utilize various tools and techniques to measure and collect information (interview, observing, listening, physical examination, reviewing records and results of diagnostic test.
- 5- Explain the sequence of systematic approach of physical examination of body system.
- 6- Demonstrate the basic techniques of physical examination.
- 7- Describe the physical examination techniques of inspection, palpation, percussion, and auscultation
- 8- Identify common instruments used during physical examination

9. Teaching and Learning Strategies

Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals
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10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st -2 nd	2	Introduction and Overview to Health Assessment: - General appearance Personal hygiene, Grooming , Dressing , Posture and gesture , Speech pattern , Orientation	Introduction and Overview to Health Assessment: - General appearance Personal hygiene, Grooming , Dressing , Posture and gesture , Speech pattern , Orientation	Giving a lecture using explanations	Examinations
3 rd - 4 rd	2	Integumentary System (skin, hair, nails)	Integumentary System (skin, hair, nails)	Giving a lecture using explanations	Examinations
5	2	Head and neck	Head and neck	Giving a lecture using explanations	Examinations
6	2	Respiratory assessment	Respiratory assessment	Giving a lecture using explanations	Examinations
7 th	2	Cardiovascular System	Cardiovascular System	Giving a lecture using explanations	Examinations
8 th	2	Peripheral Assessment	Peripheral Assessment	Giving a lecture using explanations	Examinations
9 th	2	Abdominal Assessment	Abdominal Assessment	Giving a lecture using explanations	Examinations
10-11 th	2	Neurological System	Neurological System	Giving a lecture using explanations	Examinations
12-13 th	2	Musculoskeletal System	Musculoskeletal System	Giving a lecture using explanations	Examinations
14 th	2	Reproductive System	Reproductive System	Giving a lecture using explanations	Examinations
15 th	2	laboratory Test	laboratory Test	Giving a lecture using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	https://emergency.unhcr.org/sites/default/files/WHO%20and%20UNHCR%2C%
Main references (sources)	https://emergency.unhcr.org/sites/default/files/2024-07/2.1%20UNHCR%20Public%20Health%20Assessment%20Tool.xlsx
Recommended books and references (scientific journals, reports...)	

Course Description Form

1. Course Name:

surgical nursing

2. Course Code:

3. Semester / Year:

Semester second / 1st year

4. Description Preparation Date:

1\9\2025

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

6 *15=90hour =6 unit

7. Course administrator's name (mention all, if more than one name)

Name: weam abbas hamad

Email: weam.hamad@atu.edu.iq

8. Course Objectives

learn about the surgical nursing responsibility, complications and how to reduce and control of complication.

2- Responsibilities for patients before and after surgery

3- Providing health advice and education to patients

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9. Teaching and Learning Strategies

Strategy

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

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	common of surgery abbreviation ,Hospital orientation,surgical terminology	common of surgery abbreviation ,Hospital orientation,surgical terminology	Giving a lecture and using explanations	Examinations
2 nd	2	Perioperative nursing intervention for patient	Perioperative nursing intervention for patient	Giving a lecture and using	Examinations

				explanations	
3rd	2	Surgical management of cardiovascular diseases/coronary an angioplasty/indication complication.	Surgical management of cardiovascular diseases/coronary an angioplasty/indication complication.	Giving a lecture and using explanations	Examinatio ns
4th	2	Diagnostic procedures: cystoscopy, biopsy, renal angiography, define/ purpose/ intervention and responsibility before and after procedure.	Diagnostic procedures: cystoscopy, biopsy, renal angiography, define/ purpose/ intervention and responsibility before and after procedure.	Giving a lecture and using explanations	Examinatio ns
5th	2	Gastrointestinal system/ physical assessment and diagnostic tests /appendicitis/causes path physiology sign and symptom/ treatment/ prepare for appendectomy .	Gastrointestinal system/ physical assessment and diagnostic tests /appendicitis/causes path physiology sign and symptom/ treatment/ prepare for appendectomy .	Giving a lecture and using explanations	Examinatio ns
6th	2	Intestinal obstruction sign and symptom/ treatment/ nursing care	Intestinal obstruction sign and symptom/ treatment/ nursing care	Giving a lecture and using explanations	Examinatio ns
7th	2	Kidney dialysis : hemodialysis / indication /complication / nursing care and education.	Kidney dialysis : hemodialysis / indication /complication / nursing care and education.	Giving a lecture and using explanations	Examinatio ns
8th	2	Peritoneal dialysis/ indication /complication nursing care and education.	Peritoneal dialysis/ indication /complication nursing care and education.	Giving a lecture and using explanations	Examinatio ns
9th	2	Kidney transplantation: definition preoperative nursing intervention complication post-operative nursing care	Kidney transplantation: definition preoperative nursing intervention complication post-operative nursing care	Giving a lecture and using explanations	Examinatio ns
10th	2	Hernia/types/ sign and symptom/ treatment/ nursing care and education.	Hernia/types/ sign and symptom/ treatment/ nursing care and education.	Giving a lecture and using explanations	Examinatio ns
11th	2	Fractures / types/ causes/ treatment and nursing intervention.	Fractures / types/ causes/ treatment and nursing intervention.	Giving a lecture and using explanations	Examinatio ns
12th	2	Amputation/ types/ causes/ treatment and nursing intervention.	Amputation/ types/ causes/ treatment and nursing intervention.	Giving a lecture and using explanations	Examinatio ns
13th	2	Diabetic foot / causes /sign and symptom/ treatment/ nursing care and education.	Diabetic foot / causes /sign and symptom/ treatment/ nursing care and education.	Giving a lecture and using explanations	Examinatio ns
14th	2	Para thyroidectomy: definition/ typy/ preoperative nursing intervention/ complication post-operative nursing care	Para thyroidectomy: definition/ typy/ preoperative nursing intervention/ complication post-operative nursing care	Giving a lecture and using explanations	Examinatio ns
15th	2	Definition of chemotherapy /side	Definition of	Giving a	Examinatio

		effects /method administration of chemotherapy //patient education / nursing roles for patient injection.	chemotherapy /side effects /method administration of chemotherapy //patient education / nursing roles.	lecture and using explanations	ns
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11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Diseases and Surgery of the Genitourinary System Francis Sedgwick Watson. Surgical Diseases, with Chapters on Anesthesia and Obstetrics (Second Edition) Sir Frederick Thomas George Hobday.
Main references (sources)	Surgical Friedrich von Esmarch. Postoperative Treatment of Surgical Patients Willard Bartlett ... Head and Neck. Mohammadi Radhi Teaching Surgical Operations
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:

Medical virology and Parasitology

2. Course Code:

3. Semester / Year:

Semester second / 1st year

4. Description Preparation Date:

1\9\2025

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

4 *15=60 hour =4 unit

7. Course administrator's name (mention all, if more than one name)

Name: layla jasem sheabth

Email: laila84@atu.edu.iq

8. Course Objectives

- At the end of the course student will be able to know
- 1- Parasitology and Mycology.
- 2- Medical Parasitology (Protozoa and Worms).
- 3- Factor helps transmission of diseases.
- 4- Pathogenic Parasites.
- 5- Life cycle of the parasite.
- 6- Treatment of parasitic infections &Diagnosis of parasites.
- 7- Prevention and Control.
- 8- Fungal infection types, Clinical diagnosis, treatment

9. Teaching and Learning Strategies

Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals
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10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	parasite definition , parasitology	parasite definition ,	Giving a	Examinations

		, host , commensalisms parasitism , parasite and pathogenicity	parasitology , host , commensalisms parasitism , parasite and pathogenicity	lecture and using explanations	
2nd	2	intestinal protozoa ,amoebic dysentery , shape life cycle symptoms , diagnosis, treatment. E.histolytica life cycle symptoms, diagnosis, treatment.	intestinal protozoa ,amoebic dysentery , shape life cycle symptoms , diagnosis, treatment. E.histolytica life cycle symptoms, diagnosis, treatment.	Giving a lecture and using explanations	Examinations
3rd	2	E. gingivalis life cycle symptoms, diagnosis , treatment. Acanthameoba life cycle symptoms , diagnosis , treatment.	E. gingivalis life cycle symptoms, diagnosis , treatment. Acanthameoba life cycle symptoms , diagnosis , treatment.	Giving a lecture and using explanations	Examinations
4th	2	Intestinal flagella , giardia lamblia , shape , diagnosis , treatment . intestinal cilia: blanttidium coli- shape- life cycle disease diagnosis, treatment.	Intestinal flagella , giardia lamblia , shape , diagnosis , treatment . intestinal cilia: blanttidium coli- shape- life cycle disease diagnosis, treatment.	Giving a lecture and using explanations	Examinations
5th	2	N. fowleri life cycle symptoms , diagnosis , treatment. T. vaginalis life cycle symptoms, diagnosis, treatment.	N. fowleri life cycle symptoms , diagnosis , treatment. T. vaginalis life cycle symptoms, diagnosis, treatment.	Giving a lecture and using explanations	Examinations
6th	2	Blood unicellular parasite plasmodium: Life cycle – Laboratory Diagnosis – Disease Treatment.	Blood unicellular parasite plasmodium: Life cycle – Laboratory Diagnosis – Disease Treatment.	Giving a lecture and using explanations	Examinations
7th	2	Leishmania donovani shape: Life cycle, Disease, diagnosis, Treatment. Leishmania tropica : Shape – disease, treatment.	Leishmania donovani shape: Life cycle, Disease, diagnosis, Treatment. Leishmania tropica : Shape – disease, treatment.	Giving a lecture and using explanations	Examinations
8th	2	Toxoplasmosis: shape- life cycle disease diagnosis , treatment .	Toxoplasmosis: shape- life cycle disease diagnosis , treatment .	Giving a lecture and using explanations	Examinations
9th	2	Intestinal worms : pin worme , enterobius , shape , male , femal , egg , life cycle , disease , treatment	Intestinal worms : pin worme , enterobius , shape , male , femal , egg , life cycle , disease , treatment	Giving a lecture and using explanations	Examinations
10th	2	Ascaris : shape , (male , femal , egg) life cycle , disease , diagnosis , treatment .	Ascaris : shape , (male , femal , egg) life cycle , disease , diagnosis , treatment .	Giving a lecture and using explanations	Examinations
11th	2	Tap worms: Taenia solium & Taenia saginata:- shape, life cycle, diagnosis , treatment	Tap worms: Taenia solium & Taenia saginata:- shape, life cycle, diagnosis , treatment	Giving a lecture and using explanations	Examinations
12th	2	Schistosoma hacmatobium : Shape , male , femal , egg , life cycle , disease, diagnosis , treatment .	Schistosoma hacmatobium : Shape , male , femal , egg , life cycle , disease, diagnosis , treatment .	Giving a lecture and using explanations	Examinations

13th	2	Hydatid cyst: shape, life cycle, diagnosis, treatment.	Hydatid cyst: shape, life cycle, diagnosis, treatment.	Giving a lecture and using explanations	Examinations
14th	2	Mycology : Introduction general, classification of fungi.	Mycology : Introduction general, classification of fungi.	Giving a lecture and using explanations	Examinations
15th	2	Fungal infection types, Clinical diagnosis, treatment	Fungal infection types, Clinical diagnosis, treatment	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	http://authorservices.wiley.com/baauthor/faqs_copyright.asp
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	http://www.euchems.org/Publications/index.asp

Course Description Form

1. Course Name:					
Physiology					
2. Course Code:					
3. Semester / Year:					
Semester second / 1st year					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
4 *15= 60hour =4 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: masar jabar jery Email: dw@atu.edu.iq					
8. Course Objectives					
<p>. The student can be able to see the benefit of physiological processes in the human Nursing.</p> <p>Specific Objectives: -</p> <p>The student should be able to find out:</p> <ol style="list-style-type: none"> 1. The various organs of the body. 2. Various body functions and physiological processes that take place inside the human body. 3. Devices used to measure and physiology. 4. How to use in measuring devices and physiology. 					
9. Teaching and Learning Strategies					
Strategy	Theoretical lectures and the use of modern scientific methods presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals				
10. Course Structure					
Week	Hours	Required Learning	Unit or subject name	Learning method	Evaluation method

		Outcomes			
1st	2	Introduction to physiology: The cell and general physiology	Introduction to physiology: The cell and general physiology	Giving a lecture and using explanations	Examinations
2nd	2	Membrane physiology: Transport of substances through the cell membrane, membrane potentials and action potentials	Membrane physiology: Transport of substances through the cell membrane, membrane potentials and action potentials	Giving a lecture and using explanations	Examinations
3rd	2	Contraction of skeletal muscle, excitation of skeletal muscle	Contraction of skeletal muscle, excitation of skeletal muscle	Giving a lecture and using explanations	Examinations
4th	2	Contraction and excitation of smooth muscle	Contraction and excitation of smooth muscle	Giving a lecture and using explanations	Examinations
5th	2	Heart muscle; the heart as a pump and function of the heart valves	Heart muscle; the heart as a pump and function of the heart valves	Giving a lecture and using explanations	Examinations
6th	2	The Normal Electrocardiogram	The Normal Electrocardiogram	Giving a lecture and using explanations	Examinations
7th	2	Blood cells, immunity, and blood clotting	Blood cells, immunity, and blood clotting	Giving a lecture and using explanations	Examinations
8th	2	The body fluid compartments: extracellular and intracellular fluids; interstitial fluid and edema	The body fluid compartments: extracellular and intracellular fluids; interstitial fluid and edema	Giving a lecture and using explanations	Examinations
9th	2	Urine formation by the kidneys: Glomerular filtration, renal blood flow, tubular processing of the glomerular filtrate and their control	Urine formation by the kidneys: Glomerular filtration, renal blood flow, tubular processing of the glomerular filtrate and their control	Giving a lecture and using explanations	Examinations
10th	2	Regulation of acid-base balance	Regulation of acid-base balance	Giving a lecture and using explanations	Examinations
11th	2	Respiration	Respiration	Giving a lecture and using explanations	Examinations
12th	2	The nervous system: General principles and sensory physiology	The nervous system: General principles and sensory physiology	Giving a lecture and using explanations	Examinations
13th	2	Gastrointestinal physiology	Gastrointestinal physiology	Giving a lecture and using explanations	Examinations

				explanations	
14th	2	Metabolism and temperature regulation	Metabolism and temperature regulation	Giving a lecture and using explanations	Examinations
15th	2	Endocrinology and reproduction	Endocrinology and reproduction	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	http://www.euchems.org/Publications/index.asp
Main references (sources)	
Recommended books and references (scientific journals, reports...)	http://www.euchems.org/Publications/index.asp
Electronic References, Websites	

Course Description Form

1. Course Name:					
Human rights					
2. Course Code:					
3. Semester / Year:					
Semester first / 1st year					
4. Description Preparation Date:					
1\9\2025					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 *15= 30 hour =2 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: asaad thamer mekbes Email: asaad.mekbes.idi63@atu.edu.iq					
8. Course Objectives					
. The student can be able to see the benefit of Human rights - their definition - their meaning. The roots and development of human rights in human history - human rights in ancient times.					
9. Teaching and Learning Strategies					
Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	Human rights - their definition - their meaning.	Human rights - their definition - their meaning.	Giving a lecture and using explanations	Examinations
2 nd	2	The roots and development of human rights in human history - human rights in ancient times	The roots and development of human rights in human history - human rights in ancient times	Giving a lecture and using explanations	Examinations
3 rd	2	And the intermediate	And the intermediate	Giving a lecture	Examinations

				and using explanations	
4th	2	Human rights in ancient civilizations, especially the Mesopotamian civilization.	Human rights in ancient civilizations, especially the Mesopotamian civilization.	Giving a lecture and using explanations	Examinations
5th	2	Human rights in heavenly sails, with a focus on human rights in Islam.	Human rights in heavenly sails, with a focus on human rights in Islam.	Giving a lecture and using explanations	Examinations
6th	2	Human rights in the Middle Ages - human rights in doctrines, schools and theories	Human rights in the Middle Ages - human rights in doctrines, schools and theories	Giving a lecture and using explanations	Examinations
7th	2	Political – human rights in companies, their declarations, charters and constitutions such as English	Political – human rights in companies, their declarations, charters and constitutions such as English	Giving a lecture and using explanations	Examinations
8th	2	- The American Aura - The French Aura - The Russian Aura - Human Rights in History	- The American Aura - The French Aura - The Russian Aura - Human Rights in History	Giving a lecture and using explanations	Examinations
9th	2	Contemporary and modern – international recognition of human rights since World War I	Contemporary and modern – international recognition of human rights since World War I	Giving a lecture and using explanations	Examinations
10th	2	And the United League of Hope	And the United League of Hope	Giving a lecture and using explanations	Examinations
11th	2	Regional recognition of human rights - European Convention on Human Rights - 0591 Convention	Regional recognition of human rights - European Convention on Human Rights - 0591 Convention	Giving a lecture and using explanations	Examinations
12th	2	American Commission for Human Rights - 0595 African Charter for Human Rights - 0590 MIAC	American Commission for Human Rights - 0595 African Charter for Human Rights - 0590 MIAC	Giving a lecture and using explanations	Examinations
13th	2	Nudity for human rights. 0551	Nudity for human rights. 0551	Giving a lecture and using explanations	Examinations
14th	2	Non-governmental and human rights organizations such as the International Committee of the Red Cross - Amnesty	Non-governmental and human rights organizations such as the International Committee of the Red Cross - Amnesty	Giving a lecture and using explanations	Examinations
15th	2	International - Human Rights Watch.	International - Human Rights Watch.	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	The Mediator in Public International Law Part 3 (Human Rights) Abdul Karim Alwan Protection of Children's Rights in International Humanitarian Law
Main references (sources)	
Recommended books and references (scientific journals, reports...)	The Mediator in Public International Law Part 3 (Human Rights) Abdul Karim Alwan Protection of Children's Rights in International Humanitarian Law
Electronic References, Websites	

Course Description Form

1. Course Name:

Medical terminology

2. Course Code:

3. Semester / Year:

Semester first / 1st year

4. Description Preparation Date:

1\9\2025

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

2 *15= 30 hour =2 unit

7. Course administrator's name (mention all, if more than one name)

Name: masar gabar gere

Email:dw@atu.edu.iq

8. Course Objectives

. Students will be to know
 Medical Terminology,
 Define and historical of medical terminology

9. Teaching and Learning Strategies

Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary
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10. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	Introduction to Medical Terminology, Define and historical of medical terminology.	Introduction to Medical Terminology, Define and historical of medical terminology.	Giving a lecture and using explanations	Examinations
2 nd	2	Basic Elements of a Medical Word,	Basic Elements of a Medical Word,	Giving a lecture	Examinations

		Word root Examples combining form.	Word root Examples combining form.	and using explanations	
3rd	2	Common prefix and suffixes.	Common prefix and suffixes.	Giving a lecture and using explanations	Examinations
4th	2	Overview of Anatomy and Physiology.	Overview of Anatomy and Physiology.	Giving a lecture and using explanations	Examinations
5th	2	Anatomical Position, Body Planes and Body Cavities.	Anatomical Position, Body Planes and Body Cavities.	Giving a lecture and using explanations	Examinations
6th	2	Clinical, Radiologic, and Diagnostic Procedures.	Clinical, Radiologic, and Diagnostic Procedures.	Giving a lecture and using explanations	Examinations
7th	2	Digestive System	Digestive System	Giving a lecture and using explanations	Examinations
8th	2	Integumentary System	Integumentary System	Giving a lecture and using explanations	Examinations
9th	2	The Musculoskeletal System	The Musculoskeletal System	Giving a lecture and using explanations	Examinations
10th	2	The Reproductive System	The Reproductive System	Giving a lecture and using explanations	Examinations
11th	2	Respiratory System	Respiratory System	Giving a lecture and using explanations	Examinations
12th	2	The Urinary System	The Urinary System	Giving a lecture and using explanations	Examinations
13th	2	The Cardiovascular System	The Cardiovascular System	Giving a lecture and using explanations	Examinations
14th	2	Blood , Lymph and Immune Systems	Blood , Lymph and Immune Systems	Giving a lecture and using explanations	Examinations
15th	2	Nervous system	Nervous system	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Steadman's Medical Dictionary is the gold standard for finding and learning the correct medical terms.
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Steadman's Medical Dictionary is the gold standard for finding and learning the correct medical terms.
Electronic References, Websites	

Course Description Form

1. Course Name:

Clinical chemistry

2. Course Code:

3. Semester / Year:

Semester second / 1st year

4. Description Preparation Date:

1\9\2024

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

4 *15=60 hour =4 unit

7. Course administrator's name (mention all, if more than one name)

Name: mohamad ganm abbas

Email: mohamad.Alkhuzaie@atu.edu.iq

8. Course Objectives

. Upon completion of the course, the students will be able to:

- Describe protein, glucose, lipid, hormones, vitamins and electrolytes abnormalities.
- Discuss the basic disorders of the different organs and define which laboratory tests may be performed to diagnose them.
- Determine the enzymatic activity.
- Know metabolic processes in cells.
- Know hormones estimation methods.
- Determine energy requirements

9. Teaching and Learning Strategies

Strategy

Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)
2. Practical application of theoretical vocabulary

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	2	Introduction to clinical chemistry - laboratory supplies	Introduction to clinical chemistry - laboratory supplies	Giving a lecture and using	Examinations

		- separation techniques - types of specimen - disposal of hazardous materials	- separation techniques - types of specimen - disposal of hazardous materials	explanations	
2th-3th	2	Body fluids I. Blood - composition & functions - blood clotting & hemoglobin degradation - anticoagulation - hemolysis II. Urine - formation- excretion -normal & abnormal amount of urine - urine analysis (physical & chemical characteristic)	Body fluids I. Blood - composition & functions - blood clotting & hemoglobin degradation - anticoagulation - hemolysis II. Urine - formation- excretion -normal & abnormal amount of urine - urine analysis (physical & chemical characteristic)	Giving a lecture and using explanations	Examinations
4th	2	Disorder of Electrolyte (sodium, potassium, iron, calcium & chloride) ❖ Kidney function test • function of kidney • assessment of renal functions tests • component of KFTs • routine kidney function tests	Disorder of Electrolyte (sodium, potassium, iron, calcium & chloride) ❖ Kidney function test • function of kidney • assessment of renal functions tests • component of KFTs • routine kidney function tests	Giving a lecture and using explanations	Examinations
5th & 6th	2	Plasma proteins • Types of protein abnormalities • Protein in other body fluids • Methods of measure protein • Non protein nitrogen compounds (urea, creatinine, uric acid, ammonia) • disorder of urea cycle	Plasma proteins • Types of protein abnormalities • Protein in other body fluids • Methods of measure protein • Non protein nitrogen compounds (urea, creatinine, uric acid, ammonia) • disorder of urea cycle	Giving a lecture and using explanations	Examinations
7th & 8th	2	Enzymes ➤ Clinical enzymology ▪ (ALT, AST, GGT, ALP, ACP) ▪ Enzyme profile in liver disease ▪ Enzyme markers of cardiac disease ▪ Amylase & lipase ➤ Liver function test ❖ Major function of liver ❖ Classified of liver function test ❖ markers of hepatic dysfunction - test based on synthetic function of liver - test based on serum enzyme - test of obstructive liver disease	Enzymes ➤ Clinical enzymology ▪ (ALT, AST, GGT, ALP, ACP) ▪ Enzyme profile in liver disease ▪ Enzyme markers of cardiac disease ▪ Amylase & lipase ➤ Liver function test ❖ Major function of liver ❖ Classified of liver function test ❖ markers of hepatic dysfunction - test based on synthetic function of liver - test based on serum enzyme - test of obstructive liver disease	Giving a lecture and using explanations	Examinations

9 th & 10 th	2	Carbohydrate • Types of carbohydrate and method of measures in blood • Hyperglycemia & Hypoglycemia • Hormonal regulation of carbohydrate level in the body • Normal plasma glucose level & clinical significance - diabetes mellitus & metabolic syndrome - laboratory investigation of diabetes	Carbohydrate • Types of carbohydrate and method of measures in blood • Hyperglycemia & Hypoglycemia • Hormonal regulation of carbohydrate level in the body • Normal plasma glucose level & clinical significance - diabetes mellitus & metabolic syndrome - laboratory investigation of diabetes	Giving a lecture and using explanations	Examinations
11 th	2	Lipids ❖ General lipoprotein ❖ Lipid associated disease ❖ Plasma lipoprotein (types and their significance) ❖ Lipid profile	Lipids ❖ General lipoprotein ❖ Lipid associated disease ❖ Plasma lipoprotein (types and their significance) ❖ Lipid profile	Giving a lecture and using explanations	Examinations
	2	Hormone ➤ disorders of: - hypothalamic and pituitary hormones - steroid hormones - thyroid hormones - pancreas & gastro intestinal tract - pregnancy hormone	Hormone ➤ disorders of: - hypothalamic and pituitary hormones - steroid hormones - thyroid hormones - pancreas & gastro intestinal tract - pregnancy hormone	Giving a lecture and using explanations	Examinations
14 th	2	Nucleotides ▪ Cancer- cellular differentiation, carcinogens and cancer therapy ▪ Tumor markers ▪ free radicals - clinical significance (lipid peroxidation)	Nucleotides ▪ Cancer- cellular differentiation, carcinogens and cancer therapy ▪ Tumor markers ▪ free radicals - clinical significance (lipid peroxidation)	Giving a lecture and using explanations	Examinations
15 th	2	Vitamins & minerals ▪ energy requirements ▪ malnutrition risk ▪ obesity ▪ glycemic index ▪ toxic substance in foodstuffs	Vitamins & minerals ▪ energy requirements ▪ malnutrition risk ▪ obesity ▪ glycemic index ▪ toxic substance in foodstuffs	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Principle of Biochemistry by lehniger
Main references (sources)	Principle of Biochemistry by lehniger

Course Description Form

1. Course Name:

Computer2

2. Course Code:

3. Semester / Year:

Semester second / 1st year

4. Description Preparation Date:

1\9\2024

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

3 *15=45 hour =3 unit

7. Course administrator's name (mention all, if more than one name)

Name: ahlam abbas baty

Email: dw.ahl@atu.edu.iq

8. Course Objectives

General goal: To provide the student with the skills of dealing with basic office applications and creating files

And office documents. The use of the operating system as well as the basics of working within the digital environment.

- Specific objective: To provide the student with knowledge in managing and using various computer applications

9. Teaching and Learning Strategies

Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	Computer basics	Computer basics	Giving a lecture and using explanations	Examinations

2nd	2	Fundamentals Computer concept, phases	Fundamentals Computer concept, phases	Giving a lecture and using explanations	Examinations
3rd	2	Computer life cycle, development of computer generations	Computer life cycle, development of computer generations	Giving a lecture and using explanations	Examinations
4th	2	Classification of computer advantages and areas of use	Classification of computer advantages and areas of use	Giving a lecture and using explanations	Examinations
5th	2	Computer in terms of purpose, size and type	Computer in terms of purpose, size and type	Giving a lecture and using explanations	Examinations
6th	2	Computer software licenses and their types,	Computer software licenses and their types,	Giving a lecture and using explanations	Examinations
7th	2	intellectual property, electronic hacking,	intellectual property, electronic hacking,	Giving a lecture and using explanations	Examinations
8th	2	Malware, the most important necessary steps	Malware, the most important necessary steps	Giving a lecture and using explanations	Examinations
9th	2	To protect against hacking and damage	To protect against hacking and damage	Giving a lecture and using explanations	Examinations
10th	2	Computer on health	Computer on health	Giving a lecture and using explanations	Examinations
11th	2	Operating Systems	Operating Systems	Giving a lecture and using explanations	Examinations
12th	2	Definition of operating system, functions, goals	Definition of operating system, functions, goals	Giving a lecture and using explanations	Examinations
13th	2	Classification: Examples of some operating systems	Classification: Examples of some operating systems	Giving a lecture and using explanations	Examinations
14th	2	Operating Systems	Operating Systems	Giving a lecture and using explanations	Examinations
15th	2	Computer software licenses and their types,	Computer software licenses and their types,	Giving a lecture and using	Examinations

				explanations	
11. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			Computer 2023 AD Muhammad Salem Doubel Not available Computer and ready-made software Basic skills Windows 7 Office 2010 (Arabic - English) (Color edition - scientifically and methodologically reviewed)		
Main references (sources)					
Recommended books and references (scientific journals, reports...)			Computer 2023 AD Muhammad Salem Doubel Not available Computer and ready-made software Basic skills Windows 7 Office 2010 (Arabic - English) (Color edition - scientifically and methodologically reviewed)		
Electronic References, Websites					

Course Description Form

1. Course Name:

Obstetric Nursing

2. Course Code:

3. Semester / Year:

Semester second / 2 year

4. Description Preparation Date:

1\9\2024

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

6 *15=90 hour =6 unit

7. Course administrator's name (mention all, if more than one name)

Name: thanaa esmaell

Email: than.dw@atu.edu.iq

8. Course Objectives

- Normal pregnancy –signs and symptoms of pregnancy(presumptive, probable and positive signs). Stages of pregnancy (ovulation, insemination, fertilization – implantation). Calculation of the expected date of delivery..

9. Teaching and Learning Strategies

Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	Normal pregnancy –signs and symptoms of pregnancy(presumptive, probable and positive signs). Stages of pregnancy (ovulation, insemination, fertilization –	Normal pregnancy –signs and symptoms of pregnancy(presumptive, probable and positive signs). Stages of pregnancy (ovulation, insemination, fertilization –	Giving a lecture and using explanations	Examinations

		implantation). Calculation of the expected date of delivery.	implantation). Calculation of the expected date of delivery.		
2nd	2	Size and development of the fetus. Placenta-umbilical cord, fetal membranes and amniotic fluid. Antenatal care (Nursing care and advices during pregnancy about rest , sleep , diet , exercise , and breast care).	Size and development of the fetus. Placenta-umbilical cord, fetal membranes and amniotic fluid. Antenatal care (Nursing care and advices during pregnancy about rest , sleep , diet , exercise , and breast care).	Giving a lecture and using explanations	Examinations
3rd	2	General complications during pregnancy Hyperemesis gravidarum , hemorrhoid, heart burn , edema , constipation , varicose vein , and anemia , DM.	General complications during pregnancy Hyperemesis gravidarum , hemorrhoid, heart burn , edema , constipation , varicose vein , and anemia , DM.	Giving a lecture and using explanations	Examinations
4th	2	Complication of pregnancy – hypertension causes, signs and symptoms , complication and treatment and nursing care . Toxeamia of pregnancy – causes-signs and symptoms , complication , treatment and nursing care .	Complication of pregnancy – hypertension causes, signs and symptoms , complication and treatment and nursing care . Toxeamia of pregnancy – causes-signs and symptoms , complication , treatment and nursing care .	Giving a lecture and using explanations	Examinations
5th	2	Uterine bleeding during pregnancy before 28 week of pregnancy . (Abortion and their types , ectopic pregnancy , Hydatidi formmole) causes , signs and symptoms and nursing care .	Uterine bleeding during pregnancy before 28 week of pregnancy . (Abortion and their types , ectopic pregnancy , Hydatidi formmole) causes , signs and symptoms and nursing care .	Giving a lecture and using explanations	Examinations
6th	2	Bleeding after 28 week of pregnancy (placenta previa and abruptia placenta) causes , signs and symptoms , nursing care .	Bleeding after 28 week of pregnancy (placenta previa and abruptia placenta) causes , signs and symptoms , nursing care .	Giving a lecture and using explanations	Examinations
7th	2	Normal labor – definition of normal labor, signs of false and true labor. Premonitory signs of labor . Stages of labor. First stage (dilating stage) . Second stage (baby delivery) . Third stage (delivery of placenta). Nursing care and advices during the stages of labor .	Normal labor – definition of normal labor, signs of false and true labor. Premonitory signs of labor . Stages of labor. First stage (dilating stage) . Second stage (baby delivery) . Third stage (delivery of placenta). Nursing care and advices during the stages of labor .	Giving a lecture and using explanations	Examinations
8th	2	Preparation for normal labor .	Preparation for normal labor .	Giving a lecture	Examinations

		<ul style="list-style-type: none"> - Prepare the pregnant women . - Advising about diet , exercise , perineal care , walking . - Checking uterine contraction , fetal heart , vaginal examination . <p>Mechanism of labor (definition , causes , show , the onset of labor , rupture of membrane).</p>	<ul style="list-style-type: none"> - Prepare the pregnant women . - Advising about diet , exercise , perineal care , walking . - Checking uterine contraction , fetal heart , vaginal examination . <p>Mechanism of labor (definition , causes , show , the onset of labor , rupture of membrane).</p>	and using explanations	
9th	2	<p>Mechanism of first stage of labor . Mechanism of second stage of labor .</p> <p>Mechanism of delivery or signs of placenta separation .</p>	<p>Mechanism of first stage of labor . Mechanism of second stage of labor .</p> <p>Mechanism of delivery or signs of placenta separation .</p>	Giving a lecture and using explanations	Examinations
10th	2	<p>Presentation of fetus .</p> <ul style="list-style-type: none"> - cephalic – breech – transverse – face – umbilical cord , causes and nursing care . <p>Mechanism of presentation .</p>	<p>Presentation of fetus .</p> <ul style="list-style-type: none"> - cephalic – breech – transverse – face – umbilical cord , causes and nursing care . <p>Mechanism of presentation .</p>	Giving a lecture and using explanations	Examinations
11th	2	<ul style="list-style-type: none"> -Induction of labor .(definition , causes , nursing care). - Methods of induction of labor . - Artificial rupture of membrane . - Forceps delivery. - Episiotomy . - Version. - Vaccum. <p>Causes , complication , nursing care.</p>	<ul style="list-style-type: none"> -Induction of labor .(definition , causes , nursing care). - Methods of induction of labor . - Artificial rupture of membrane . - Forceps delivery. - Episiotomy . - Version. - Vaccum. <p>Causes , complication , nursing care.</p>	Giving a lecture and using explanations	Examinations
12th	2	<p>Complication of labor .</p> <p>Complication of first stage (rupture of membrane , cordprolapse).</p> <p>Complication of second stage (uterine rupture , tears (andnursing care) uterine version (causes , signs and symptoms and nursing care) .</p> <p>Newborn baby (physical characteristics of newborn baby). Nursing care (care of the eyes, umbilical cord , cleaning the airway , weight and recording)</p>	<p>Complication of labor .</p> <p>Complication of first stage (rupture of membrane , cordprolapse).</p> <p>Complication of second stage (uterine rupture , tears (andnursing care) uterine version (causes , signs and symptoms and nursing care) .</p> <p>Newborn baby (physical characteristics of newborn baby). Nursing care (care of the eyes, umbilical cord , cleaning the airway , weight and recording)</p>	Giving a lecture and using explanations	Examinations
13th	2	<p>Puerperium (definition , the normal duration of puerperium , the physiological changes</p>	<p>Puerperium (definition , the normal duration of puerperium , the physiological changes</p>	Giving a lecture and using explanations	Examinations

		during puerperium and nursing care . Complication of puerperium . Puerperial infection (definition , causes signs and symptoms and nursing care). Endometritis (signs and symptoms and nursing care).	during puerperium and nursing care . Complication of puerperium . Puerperial infection (definition , causes signs and symptoms and nursing care). Endometritis (signs and symptoms and nursing care).		
14th	2	Lactation (types , advantages and methods of lactation). Nursing care and advising about breast feeding . Complication of breast feeding (engorgement mastitis , and breast abscess) causes signs and symptoms and nursing care.	Lactation (types , advantages and methods of lactation). Nursing care and advising about breast feeding . Complication of breast feeding (engorgement mastitis , and breast abscess) causes signs and symptoms and nursing care.	Giving a lecture and using explanations	Examinations
15th	2	Cesarean section – causes , types . Nursing care – pre and post operative care , complication and contraindication	Cesarean section – causes , types . Nursing care – pre and post operative care , complication and contraindication	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	**Gabbe's Obstetrics: Normal and Problem Pregnancies
Main references (sources)	*Novak's Gynecology:**
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:

Psychiatric & mental health Nursing

2. Course Code:

3. Semester / Year:

Semester second / 2 year

4. Description Preparation Date:

1\9\2024

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

6 *15=90 hour =6 unit

7. Course administrator's name (mention all, if more than one name)

Name: areg fadel kashash

Email: areej.ghshash.idi1@atu.edu.iq

8. Course Objectives

. At the end of this course the students will be able to:

- 1- Describe the components of the health history
- 2- Apply interviewing skills and techniques to conduct a successful interview.
- 3- Evaluate the persons' general health status .
- 4- Utilize various tools and techniques to measure and collect information (interview, observing, listening, physical examination, reviewing records and results of diagnostic test.
- 5- Explain the sequence of systematic approach of physical examination of body system.
- 6- Demonstrate the basic techniques of physical examination.
- 7- Describe the physical examination techniques of inspection, palpation, percussion, and auscultation
- 8- Identify common instruments used during physical examination

9. Teaching and Learning Strategies

Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals
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10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	Vocabulary details	Vocabulary details	Giving a lecture and using explanations	Examinations
2 nd	2	Mental illnesses:	Mental illnesses:	Giving a lecture and using explanations	Examinations
3 rd	2	Anxiety: Types of anxiety - Subjective anxiety - Normal anxiety - Normal objective anxiety	Anxiety: Types of anxiety - Subjective anxiety - Normal anxiety - Normal objective anxiety	Giving a lecture and using explanations	Examinations
4 th	2	- Nervous anxiety - Anxiety treatment - Psychotherapy - Environmental therapy - Social therapy -	- Nervous anxiety - Anxiety treatment - Psychotherapy - Environmental therapy - Social therapy -	Giving a lecture and using explanations	Examinations
5 th	2	hypochondria:	hypochondria:	Giving a lecture and using explanations	Examinations
6 th	2	The individual's preoccupation with his health in a pathological manner - the relationship of hypochondria to other psychological illnesses - anxiety - depression - cases of hypochondria	The individual's preoccupation with his health in a pathological manner - the relationship of hypochondria to other psychological illnesses - anxiety - depression - cases of hypochondria	Giving a lecture and using explanations	Examinations
7 th	2	Hysteria - the individual's feeling of extra caution in his public relations.	Hysteria - the individual's feeling of extra caution in his public relations.	Giving a lecture and using explanations	Examinations
8 th	2	Suicide:	Suicide:	Giving a lecture and using explanations	Examinations
9 th	2	-1 Attempting suicide - the reasons leading to the suicide attempt - ways to use defensive tricks to justify -	-1 Attempting suicide - the reasons leading to the suicide attempt - ways to use defensive tricks to justify -	Giving a lecture and using explanations	Examinations
10 th	2	Types of suicide attempts, such as psychological harm by taking quantities of medications - using gases	Types of suicide attempts, such as psychological harm by taking quantities of medications - using gases	Giving a lecture and using explanations	Examinations
11 th	2	Toxic - use of cutting weapons.	Toxic - use of cutting weapons.	Giving a lecture and using explanations	Examinations
12 th	2	2-Motives for suicide, such as feeling sad - pessimism	2-Motives for suicide, such as feeling sad - pessimism	Giving a lecture and using explanations	Examinations

		- feeling guilty - emotional failure - loss	- feeling guilty - emotional failure - loss	lecture and using explanations	
13th	2	hypochondria:	hypochondria:	Giving a lecture and using explanations	Examinations
14th -	2	Mental illnesses of organic origin:	Mental illnesses of organic origin:	Giving a lecture and using explanations	Examinations
15th	2	Geriatric psychosis - its nature - its causes - methods of care - mental disorders resulting from psychosis	Geriatric psychosis - its nature - its causes - methods of care - mental disorders resulting from psychosis	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Quiet: The Power of Introverts in a World That Can't Stop Talking...
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Quiet: The Power of Introverts in a World That Can't Stop Talking...
Electronic References, Websites	

Course Description Form

1. Course Name:

Community health service

2. Course Code:

3. Semester / Year:

Semester second / 2 year

4. Description Preparation Date:

1\9\2024

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

6 *15=90 hour =6 unit

7. Course administrator's name (mention all, if more than one name)

Name: asraa nadum satar

Email: asraa.alsatar@atu.edu.iq

8. Course Objectives

Stages of vaccine distribution - caring for vaccines in the refrigerator - health center - the role of the nurse in the cold chain

- Providing health advice and education to patients

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9. Teaching and Learning Strategies

Strategy

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

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	2	Stages of vaccine distribution - caring for vaccines in the refrigerator - health center - the role of the nurse in the cold chain	Stages of vaccine distribution - caring for vaccines in the refrigerator - health center - the role of the nurse in the cold chain	Giving a lecture and using explanations	Examinations
2 nd	2	- Register .	- Register .	Giving a lecture and using	Examinations

				explanations	
3rd	2	Prevention of infectious diseases - (infectious diseases - their types) - epidemics - endemic diseases.	Prevention of infectious diseases - (infectious diseases - their types) - epidemics - endemic diseases.	Giving a lecture and using explanations	Examinations
4th	2	Infection process - actions taken towards the pathogenic source and causes.	Infection process - actions taken towards the pathogenic source and causes.	Giving a lecture and using explanations	Examinations
5th	2	Measures taken towards the environment - prevention of communicable diseases.	Measures taken towards the environment - prevention of communicable diseases.	Giving a lecture and using explanations	Examinations
6th	2	International procedures.	International procedures.	Giving a lecture and using explanations	Examinations
7th	2	Occupational health - its objectives - occupational factors that affect the health of workers inside laboratories - characteristics of the environment in	Occupational health - its objectives - occupational factors that affect the health of workers inside laboratories - characteristics of the environment in	Giving a lecture and using explanations	Examinations
8th	2	Laboratory and its conditions.	Laboratory and its conditions.	Giving a lecture and using explanations	Examinations
9th	2	Health care curriculum for workers - the role of the nurse in occupational health.	Health care curriculum for workers - the role of the nurse in occupational health.	Giving a lecture and using explanations	Examinations
10th	2	Environmental health - the most important components of environmental health - healthy housing - water health.	Environmental health - the most important components of environmental health - healthy housing - water health.	Giving a lecture and using explanations	Examinations
11th	2	Atmospheric health - nutritional health - its importance - its components.	Atmospheric health - nutritional health - its importance - its components.	Giving a lecture and using explanations	Examinations
12th	2	Explaining waste - its causes - the role of the nurse in environmental health.	Explaining waste - its causes - the role of the nurse in environmental health.	Giving a lecture and using explanations	Examinations
13th	2	Food menus - factors affecting community nutrition - nutritional education - nutritional educational program -	Food menus - factors affecting community nutrition - nutritional education - nutritional educational program -	Giving a lecture and using explanations	Examinations
14th	2	And nutritional guide meals.	And nutritional guide meals.	Giving a lecture and using explanations	Examinations
15th	2	Stages of vaccine distribution - caring for vaccines in the refrigerator	Stages of vaccine distribution - caring for vaccines in the refrigerator	Giving a lecture and using	Examinations

		- health center - the role of the nurse in the cold chain	- health center - the role of the nurse in the cold chain	explanations	
11. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			Yazori, 2017		
Main references (sources)					
Recommended books and references (scientific journals, reports...)			Yazori, 2017		
Electronic References, Websites					

Course Description Form					
1. Course Name:					
Pediatric disease					
2. Course Code:					
3. Semester / Year:					
Semester second / 2 year					
4. Description Preparation Date:					
1\9\2024					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
6 *15=90 hour =6 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: ghanem oaiyz abbas Email: ghanemoaiyz@atu.edu.iq					
8. Course Objectives					
<ul style="list-style-type: none"> • The student to able knowledge :- • Growth and development of normal baby • The nursing care to premature and new born and fetal baby • Feeding baby • Special : 1- The nursing care of malnutrition diseases to children • 2- Nursing care for handicap children • 3- Child care for orphan • 4- Child care and prevention from accident 					
9. Teaching and Learning Strategies					
Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1st	2	Malnutrition Diseases : 1- Marasms 2- Rickets 3- Kwashiorkor . 4- Tetancy 5- Scurvy disease , Causes , The factors influence , Nursing care , prevention .	Malnutrition Diseases : 1- Marasms 2- Rickets 3- Kwashiorkor . 4- Tetancy 5- Scurvy disease , Causes , The factors influence , Nursing care , prevention .	Giving a lecture and using explanations	Examinations
2nd	2	Nursing care with Respiratory disease . 1- Acute Nasopharyngitis (Common cold) . 2- Tonsillitis . 3- Otitismedia .	Nursing care with Respiratory disease . 1- Acute Nasopharyngitis (Common cold) . 2- Tonsillitis . 3- Otitismedia .	Giving a lecture and using explanations	Examinations
3rd	2	- Pneumonia , staph or strep pneumonia. - Viral pneumonia , Mechanical pneumonia . - Asthma .	- Pneumonia , staph or strep pneumonia. - Viral pneumonia , Mechanical pneumonia . - Asthma .	Giving a lecture and using explanations	Examinations
4th	2	Nursing care of gastro – Intestinal disorder . 1- Acute (Gastritis) . 2- Gastro - - enteritis . 3- Abdominal Colic .	Nursing care of gastro – Intestinal disorder . 1- Acute (Gastritis) . 2- Gastro - - enteritis . 3- Abdominal Colic .	Giving a lecture and using explanations	Examinations
5th	2	4- Vomiting 5- diarrhea 6- Constipation .	4- Vomiting 5- diarrhea 6- Constipation .	Giving a lecture and using explanations	Examinations
6th	2	Congenital digestive . 1- Cleft lip . 2- Cleft palate . 3- Rectum obstruction .	Congenital digestive . 1- Cleft lip . 2- Cleft palate . 3- Rectum obstruction .	Giving a lecture and using explanations	Examinations
7th	2	Nursing care of urinary condition system . 1- Acute Glomerulonephritis . 2- Nephritic syndrome (nephrosis) . 3- Pye lonephritis (pyelitis) . 4- Renal failure .	Nursing care of urinary condition system . 1- Acute Glomerulonephritis . 2- Nephritic syndrome (nephrosis) . 3- Pye lonephritis (pyelitis) . 4- Renal failure .	Giving a lecture and using explanations	Examinations
8th	2	Nursing care at communicable disease 1. pulmonary tuberculosis 2. measles 3. Germany measles 4. mumps 5. diphtheria 6. Pertusis 7. tetanus 8. Poliomyelitis 9. chickenpox 10. Infection hepatitis 11. Typhoid fever	Nursing care at communicable disease 1. pulmonary tuberculosis 2. measles 3. Germany measles 4. mumps 5. diphtheria 6. Pertusis 7. tetanus 8. Poliomyelitis 9. chickenpox 10. Infection hepatitis 11. Typhoid fever	Giving a lecture and using explanations	Examinations
9th	2	Nursing care at endocrine disorders 1. hypothyroidism 2. hyper thyroidism 3. diabetes	Nursing care at endocrine disorders 1. hypothyroidism 2. hyper thyroidism 3. diabetes	Giving a lecture and using explanations	Examinations
10th	2	The contaminated environment influence of	The contaminated environment influence of	Giving a lecture	Examinations

		health baby 1. cholera 2-malta fever The endemic disease and influence of health child :- 1. malaria 2- trematoda 3. tina solium ,tina saginata ,oxyuris ,anglistoma	health baby 1. cholera 2-malta fever The endemic disease and influence of health child :- 1. malaria 2- trematoda 3. tina solium ,tina saginata ,oxyuris ,anglistoma	and using explanations	
11th	2	Handicap children :- 1- Definition the handicap or hindrance child . 2- Types of handicap including :- (Physical , psychsocial , mental) . Rehabilitation center . - Handicap prevention and nursing care .	Handicap children :- 1- Definition the handicap or hindrance child . 2- Types of handicap including :- (Physical , psychsocial , mental) . Rehabilitation center . - Handicap prevention and nursing care .	Giving a lecture and using explanations	Examinations
12th	2	Prevention of child from accident . 1- Poisoning 2- Burns 3- injuries 4- Jumping on a high level or accident or run over .	Prevention of child from accident . 1- Poisoning 2- Burns 3- injuries 4- Jumping on a high level or accident or run over .	Giving a lecture and using explanations	Examinations
13th	2	The nursing care of the dying child .	The nursing care of the dying child .	Giving a lecture and using explanations	Examinations
14th	2	Nursing care at communicable disease 1. pulmonary tuberculosis 2. measles 3. Germany measles 4. mumps 5. diphtheria 6. Pertusis 7. tetanus 8. Poliomyelitis 9.chickenpox 10 .Infection hepatitis 11.Typhoid fever	Nursing care at communicable disease 1. pulmonary tuberculosis 2. measles 3. Germany measles 4. mumps 5. diphtheria 6. Pertusis 7. tetanus 8. Poliomyelitis 9.chickenpox 10 .Infection hepatitis 11.Typhoid fever	Giving a lecture and using explanations	Examinations
15th	2	Nursing care at endocrine disorders 1. hypothyroidism 2. hyper thyroidism 3. diabetes	Nursing care at endocrine disorders 1. hypothyroidism 2. hyper thyroidism 3. diabetes	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Eiger , M. S & O1ds , S. W, The Complete Book Breast feeding
Main references (sources)	New York – Workman Publishing Company , Inc / 1972 .

Course Description Form

1. Course Name:					
Nutrition and diet therapy					
2. Course Code:					
3. Semester / Year:					
Semester second / 2 year					
4. Description Preparation Date:					
1\9\2024					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 *15=30 hour =2 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: nawreas adnan abd alamerr					
Email: dw.naras@atu.edu.iq					
8. Course Objectives					
<p>. The student can be able to see the benefit of Healthy nutrition - the importance of balanced food - how the body uses food.</p> <p>Daily nutritional standards and recommendations - nutritional needs of individuals.</p> <p>Nutrients in food - carbohydrates - their classification - their functions</p> <p>carbohydrates in food -</p>					
9. Teaching and Learning Strategies					
Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	2	Healthy nutrition - the importance of balanced food - how the body uses food.	Healthy nutrition - the importance of balanced food - how the body uses food.	Giving a lecture and using explanations	Examinations
2nd	2	Daily nutritional standards and	Daily nutritional standards	Giving a	Examin

		recommendations - nutritional needs of individuals.	and recommendations - nutritional needs of individuals.	lecture and using explanations	ations
3rd	2	Nutrients in food - carbohydrates - their classification - their functions - carbohydrates in food -	Nutrients in food - carbohydrates - their classification - their functions - carbohydrates in food -	Giving a lecture and using explanations	Examinations
4th	2	Carbohydrate needs - dental caries.	Carbohydrate needs - dental caries.	Giving a lecture and using explanations	Examinations
5th	2	Natural dietary fiber - its sources - the importance of fiber - the relationship of fiber to heart disease	Natural dietary fiber - its sources - the importance of fiber - the relationship of fiber to heart disease	Giving a lecture and using explanations	Examinations
6th	2	Fats - essential fatty acids - the role of fats in the body - fats in food - nutritional needs	Fats - essential fatty acids - the role of fats in the body - fats in food - nutritional needs	Giving a lecture and using explanations	Examinations
7th	2	- The relationship of fats to heart disease and cancer.	- The relationship of fats to heart disease and cancer.	Giving a lecture and using explanations	Examinations
8th	2	Energy - the body's need for energy - energy balance - the caloric value of foods - nutritional tables.	Energy - the body's need for energy - energy balance - the caloric value of foods - nutritional tables.	Giving a lecture and using explanations	Examinations
9th	2	Energy - the body's need for energy - energy balance - the caloric value of foods - nutritional tables.	Energy - the body's need for energy - energy balance - the caloric value of foods - nutritional tables.	Giving a lecture and using explanations	Examinations
10th	2	Water - its distribution in the body - its functions - the individual need for water for electrolytes in the body - sodium - potassium -	Water - its distribution in the body - its functions - the individual need for water for electrolytes in the body - sodium - potassium -	Giving a lecture and using explanations	Examinations
11th	2	Chloride. Mineral salts - calcium - iron - iodine.	Chloride. Mineral salts - calcium - iron - iodine.	Giving a lecture and using explanations	Examinations
12th	2	-1 Nutrition during pregnancy - nutritional needs.	-1 Nutrition during pregnancy - nutritional needs.	Giving a lecture and using explanations	Examinations
13th	2	-2 Nutrition during breastfeeding - nutritional needs.	-2 Nutrition during breastfeeding - nutritional needs.	Giving a lecture and using explanations	Examinations
14th	2	-3 Nutrition of infants - nutritional needs. - Solid food - weaning foods.	-3 Nutrition of infants - nutritional needs. - Solid food - weaning foods.	Giving a lecture and using explanations	Examinations
15th	2	-4 Nutrition in early childhood - nutritional needs.	-4 Nutrition in early childhood - nutritional needs.	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Food and Medicine Book Krause's book is the first book in the field of therapeutic nutrition
Main references (sources)	13th edition of the book: Krause's Food and the nutrition care process
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:

Maternity Nursing

2. Course Code:

3. Semester / Year:

Semester first / 2 year

4. Description Preparation Date:

1\9\2024

5. Available Attendance Forms:

Direct

6. Number of Credit Hours (Total) / Number of Units (Total)

6 *15=90 hour =6 unit

7. Course administrator's name (mention all, if more than one name)

Name: thana esmaell

Email: than.dw@atu.edu.iq

8. Course Objectives

The pupil can be able to know the general information about the maternity nursing .

* Specific objectives:-

- 1- Anatomy and physiology of reproductive system .
- 2- normal pregnancy , stages of pregnancy , normal labor and abnormal labor .
- 3- complication of labor .
- 4- puerperium and complication of puerperium.
- 5- obstetrical examination and gynecology.
- 6- newborn baby characteristics.
- 7- lactation and complication of lactation.
- 8- Antinatal care

9. Teaching and Learning Strategies

Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning	Evaluation
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				method	method
1st	2	Anatomy and physiology of female internal reproductive system (uterus ,ovary, fallopian tube , vagina). Stages of pregnancy (ovulation, insemination, fertilization – implantation).	Anatomy and physiology of female internal reproductive system (uterus ,ovary, fallopian tube , vagina). Stages of pregnancy (ovulation, insemination, fertilization – implantation).	Giving a lecture and using explanations	Examinations
2nd	2	Normal pregnancy – signs and symptoms of pregnancy(presumptive, probable and positive signs). Calculation of the expected date of delivery.	Normal pregnancy – signs and symptoms of pregnancy(presumptive, probable and positive signs). Calculation of the expected date of delivery.	Giving a lecture and using explanations	Examinations
3rd	2	Size and development of the fetus. Placenta-umbilical cord, fetal membranes and amniotic fluid. Antinal care (Nursing care and advices during pregnancy about rest , sleep , diet , exercise , and breast care).	Size and development of the fetus. Placenta-umbilical cord, fetal membranes and amniotic fluid. Antinal care (Nursing care and advices during pregnancy about rest , sleep , diet , exercise , and breast care).	Giving a lecture and using explanations	Examinations
4th	2	General complications during pregnancy Hyperemesis gravidarum , hemorrhoid, heart burn , edema , constipation , varicose vein , and anemia , DM.	General complications during pregnancy Hyperemesis gravidarum , hemorrhoid, heart burn , edema , constipation , varicose vein , and anemia , DM.	Giving a lecture and using explanations	Examinations
5th	2	Complication of pregnancy – hypertension causes, signs and symptoms , complication and treatment and nursing care .	Complication of pregnancy – hypertension causes, signs and symptoms , complication and treatment and nursing care .	Giving a lecture and using explanations	Examinations
6th	2	Toxeamia of pregnancy – causes-signs and symptoms , complication , treatment and nursing care .	Toxeamia of pregnancy – causes-signs and symptoms , complication , treatment and nursing care .	Giving a lecture and using explanations	Examinations

7th	2	Uterine bleeding during pregnancy before 28 week of pregnancy . (Abortion and their types , ectopic pregnancy , Hydatidi formmole) causes , signs and symptoms and nursing care .	Uterine bleeding during pregnancy before 28 week of pregnancy . (Abortion and their types , ectopic pregnancy , Hydatidi formmole) causes , signs and symptoms and nursing care .	Giving a lecture and using explanations	Examinations
8th	2	Bleeding after 28 week of pregnancy (placenta previa and abruptia placenta) causes , signs and symptoms , nursing care .	Bleeding after 28 week of pregnancy (placenta previa and abruptia placenta) causes , signs and symptoms , nursing care .	Giving a lecture and using explanations	Examinations
9th	2	Normal labor – definition of normal labor, signs of false and true labor. Premonitory signs of labor .	Normal labor – definition of normal labor, signs of false and true labor. Premonitory signs of labor .	Giving a lecture and using explanations	Examinations
10th	2	Stages of labor. First stage (dilating stage) . Second stage (baby delivery) . Third stage (delivery of placenta). Nursing care and advices during the stages of labor .	Stages of labor. First stage (dilating stage) . Second stage (baby delivery) . Third stage (delivery of placenta). Nursing care and advices during the stages of labor .	Giving a lecture and using explanations	Examinations
11th	2	Preparation for normal labor . Prepare the pregnant women . Advising about diet , exercise , perineal care , walking . Checking uterine contraction , fetal heart , vaginal examination .	Preparation for normal labor . Prepare the pregnant women . Advising about diet , exercise , perineal care , walking . Checking uterine contraction , fetal heart , vaginal examination .	Giving a lecture and using explanations	Examinations
12th	2	Mechanism of labor (definition , causes , show , the onset of labor , rupture of membrane).	Mechanism of labor (definition , causes , show , the onset of labor , rupture of membrane).	Giving a lecture and using explanations	Examinations
13th	2	Mechanism of first stage of labor . Mechanism of second stage of labor .	Mechanism of first stage of labor . Mechanism of second stage of labor .	Giving a lecture and using explanations	Examinations
14th	2	Mechanism of delivery or signs of placenta	Mechanism of delivery or signs of placenta	Giving a lecture and using	Examinations

		separation .	separation .	explanations	
15th	2	Presentation of fetus . - cephalic – breech – transverse – face – umbilical cord , causes and nursing care .	Presentation of fetus . - cephalic – breech – transverse – face – umbilical cord , causes and nursing care .	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Book Miller and Bowen . Text book of Obstetric and Obstetric
Main references (sources)	Nursing . Fifth Edition – 1974 .
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	John Howkins and Corden Bourne

Course Description Form

1. Course Name:					
Primary Health care					
2. Course Code:					
3. Semester / Year:					
Semester first / 2 year					
4. Description Preparation Date:					
1\9\2024					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
6 *15=90 hour =6 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: asraa nadum abd alsatar Email: asraa.alsatar@atu.edu.iq					
8. Course Objectives					
The student should be able to know:- Maternal and Child Care Programs. Environmental Health and Environmental Pollution Programs. Immunization Programs against Diseases and Cold Chain. Rural Health Care Programs. School Health Programs. Infectious Disease Prevention Programs. • Gain Skill and Experience in Educational and Health Programs					
9. Teaching and Learning Strategies					
Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1st	2	Health - Public health - Community health - Primary health care - Elements of primary health care.	Health - Public health - Community health - Primary health care - Elements of primary health care.	Giving a lecture and using explanations	Examinations
2nd	2	Family assessment: Definition of the family - Assessment of the family's condition - Collection of information - Family card.	Family assessment: Definition of the family - Assessment of the family's condition - Collection of information - Family card.	Giving a lecture and using explanations	Examinations
3rd	2	Community assessment: Definition of the community - Collection of information - Diagnosis of health problem priorities - Analysis of the problem - Planning - Implementation - Evaluation.	Community assessment: Definition of the community - Collection of information - Diagnosis of health problem priorities - Analysis of the problem - Planning - Implementation - Evaluation.	Giving a lecture and using explanations	Examinations
4th	2	Community status assessment - Collecting information about the community - Analyzing information - Diagnosis - Nursing for the health needs of the community - Developing a nursing care plan - Running the plan - Evaluating nursing care.	Community status assessment - Collecting information about the community - Analyzing information - Diagnosis - Nursing for the health needs of the community - Developing a nursing care plan - Running the plan - Evaluating nursing care.	Giving a lecture and using explanations	Examinations
5th	2	Health education - its objectives and mass communication means.	Health education - its objectives and mass communication means.	Giving a lecture and using explanations	Examinations
6th	2	Educational means - Rules for using the means - The role of the nurse in health education.	Educational means - Rules for using the means - The role of the nurse in health education.	Giving a lecture and using explanations	Examinations
7th	2	Maternity and childhood care.	Maternity and childhood care.	Giving a lecture and using explanations	Examinations
8th	2	Maternity care - its importance - its objectives.	Maternity care - its importance - its objectives.	Giving a lecture and using explanations	Examinations
9th	2	Maternal care during pregnancy.	Maternal care during pregnancy.	Giving a lecture and using explanations	Examinations
10th	2	Maternal care during childbirth.	Maternal care during childbirth.	Giving a lecture and using explanations	Examinations
11th	2	Maternal care during the postpartum period.	Maternal care during the postpartum period.	Giving a lecture and using explanations	Examinations
12th	2	The role of the nurse in maternal care.	The role of the nurse in maternal care.	Giving a lecture and using explanations	Examinations
13th	2	Child care - its importance - its objectives.	Child care - its importance - its objectives.	Giving a lecture and using explanations	Examinations
14th	2	Newborn child care.	Newborn child care.	Giving a lecture and using explanations	Examinations

15th	2	Infant vaccinations - Child care in nurseries.	Infant vaccinations - Child care in nurseries.	Giving a lecture and using explanations	Examinations
11. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			Fred , Community Medicine , 5 TH ED . London 1984 .		
Main references (sources)			Freeman , Ruth Community Health Nursing Philadelphia , 1981 .		
Recommended books and references (scientific journals, reports...)			Bayer . M. Community health NURRSING In Deve loping		
Electronic References, Websites					

Course Description Form

1. Course Name:					
Principle of Psychiatric Nursing					
2. Course Code:					
3. Semester / Year:					
Semester first / 2 year					
4. Description Preparation Date:					
1\9\2024					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
6 *15=90 hour =6 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: areej fadul ghshash Email: areej.ghashash@atu.edu.iq					
8. Course Objectives					
The student will be able to know:- 1- Mental health in order for the individual to be free from psychological and mental disorders. 2- How to deal with people with psychological and mental illnesses. 3- Providing nursing care to people with psychological and mental illnesses. 4- Behavioral dealing with people suffering from psychological and mental disorders and illnesses and knowing the real reasons that lead to the emergence of patients' behavior and then how to investigate and overcome crises and some psychological and mental illnesses					
9. Teaching and Learning Strategies					
Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	2	Psychological Crisis	Psychological Crisis	Giving a lecture	Examinations

				and using explanations	
2 nd	2	Causes of psychological crises - Material obstacles	Causes of psychological crises - Material obstacles	Giving a lecture and using explanations	Examinations
3 rd	2	Conflict of motives:	Conflict of motives:	Giving a lecture and using explanations	Examinations
4 th	2	- Psychological conflict - Psychological state	- Psychological conflict - Psychological state	Giving a lecture and using explanations	Examinations
5 th	2	- Painful conflicts - Satisfying motives	- Painful conflicts - Satisfying motives	Giving a lecture and using explanations	Examinations
6 th	2	Overcompensation:	Overcompensation:	Giving a lecture and using explanations	Examinations
7 th	2	- Manifestations of overcompensation - Images of overcompensation	- Manifestations of overcompensation - Images of overcompensation	Giving a lecture and using explanations	Examinations
8 th	2	Reverse formation:	Reverse formation:	Giving a lecture and using explanations	Examinations
9 th	2	- Conscious and unconscious factors of reverse formation. - Manifestation of reverse formation.	- Conscious and unconscious factors of reverse formation. - Manifestation of reverse formation.	Giving a lecture and using explanations	Examinations
10 th	2	- Relationship of reverse formation to heritage	- Relationship of reverse formation to heritage	Giving a lecture and using explanations	Examinations
11 th	2	- Genetic factors. - Maladjustment as seen by schools of psychology.	- Genetic factors. - Maladjustment as seen by schools of psychology.	Giving a lecture and using explanations	Examinations
12 th	2	- Normal and abnormal personalities. - Statistical standard.	- Normal and abnormal personalities. - Statistical standard.	Giving a lecture and using explanations	Examinations
13 th	2	- Ideal standard. - Civilizational standard - Pathological standard.	- Ideal standard. - Civilizational standard - Pathological standard.	Giving a lecture and using explanations	Examinations
14 th	2	- The impact of repressed psychological aspects in the process of maladjustment.	- The impact of repressed psychological aspects in the process of maladjustment.	Giving a lecture and using explanations	Examinations
15 th	2	- The relativity of maladjustment between different societies and between society.	- The relativity of maladjustment between different societies and between society.	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Abdul Karim Qasim Abu Al-Khair's book
Main references (sources)	Sadock, BJ., Sadock, VA. Kaplan and Sadock's Compendium of Psychiatry: Behavioral Sciences/Clinical Psychiatry, 10th

Course Description Form

1. Course Name:					
Pharmacology					
2. Course Code:					
3. Semester / Year:					
Semester first / 2 year					
4. Description Preparation Date:					
1\9\2024					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 *15=30 hour =2 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: maryam atya Email: Maryam.kazaal@atu.edu.iq					
8. Course Objectives					
basig science of pharmacology 2- the activity of drugs 3-absorption and excretion of drug 4- dose and dosage form 5- toxicology ,toxins , poisoning with metals Specific : routes of drug adwiustration effect of drug on the body injection routes of drug adwiustration toxicity with drugs and metals •					
9. Teaching and Learning Strategies					
Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning	Evaluation

				method	method
1st	2	Introduction ; pharmacokinetics, pharmacodynamics; drug, receptors	Introduction ; pharmacokinetics, pharmacodynamics; drug, receptors	Giving a lecture and using explanations	Examinations
2nd	2	Dose; dose estimation: factors effecting dose .dosage form.	Dose; dose estimation: factors effecting dose .dosage form.	Giving a lecture and using explanations	Examinations
3rd	2	Routes of drug administration oral; injection ,skin, rectal and other routes. Drug excretion.	Routes of drug administration oral; injection ,skin, rectal and other routes. Drug excretion.	Giving a lecture and using explanations	Examinations
4th	2	Autonomic nervous system ; ganglia parasympathetic nervous system acetylcholine ;cholinergic drugs .	Autonomic nervous system ; ganglia parasympathetic nervous system acetylcholine ;cholinergic drugs .	Giving a lecture and using explanations	Examinations
5th	2	Sympathetic nervous system : adrenaline ; adrenergic drugs. Effects on the body and uses in medicine .	Sympathetic nervous system : adrenaline ; adrenergic drugs. Effects on the body and uses in medicine .	Giving a lecture and using explanations	Examinations
6th	2	Drug acting on digestive system :anti-acids drug uses for diarrhea ;drug uses for constipation ;laxatives and other drugs used for peptic ulcer ,vomiting .	Drug acting on digestive system :anti-acids drug uses for diarrhea ;drug uses for constipation ;laxatives and other drugs used for peptic ulcer ,vomiting .	Giving a lecture and using explanations	Examinations
7th	2	Anti-cholinergic drugs ;atropine uses ;side effects ;drug used for spasm.	Anti-cholinergic drugs ;atropine uses ;side effects ;drug used for spasm.	Giving a lecture and using explanations	Examinations
8th	2	Drug uses for respiratory syste expectorants ;mucolytics sedat ;bronchodilators. Drug uses for asthma.	Drug uses for respiratory system; expectorants ;mucolytics sedatives ;bronchodilators. Drug uses for asthma.	Giving a lecture and using explanations	Examinations
9th	2	Introduction ; pharmacokinetics, pharmacodynamics; drug, receptors	Introduction ; pharmacokinetics, pharmacodynamics; drug, receptors	Giving a lecture and using explanations	Examinations
10th	2	Dose; dose estimation: factors effecting dose .dosage form.	Dose; dose estimation: factors effecting dose .dosage form.	Giving a lecture and using explanations	Examinations
11th	2	Drug used for cardio-vascular system .cardio tonics; digitalis uses ;side of toxic effect.	Drug used for cardio-vascular system .cardio tonics; digitalis uses ;side of toxic effect.	Giving a lecture and using explanations	Examinations
12th	2	Anti-arrhythmic drugs ; vasodilatations heparin, cycle Capron ;drug used s for cholesterol .	Anti-arrhythmic drugs ; vasodilatations heparin, cycle Capron ;drug used s for cholesterol .	Giving a lecture and using explanations	Examinations
13th	2	Antihypertensive drugs ; diuretics adrenergic blockers	Antihypertensive drugs ; diuretics adrenergic blockers	Giving a lecture and using explanations	Examinations

14th	2	Drug used for urinary system . Anti-spasmodic drugs .nephro Antibiotics used for u.t.Infection .	Drug used for urinary system . Anti-spasmodic drugs .nephron. Antibiotics used for u.t.Infection .	Giving a lecture and using explanations	Examinations
15th	2	Histamin;histaminic receptors antihistaminic drugs .anti –H1 anti-H2 .ex allermine ,cyproheptadin .cemetidin ; ranitidin ; uses in peptic ulcer.	Histamin;histaminic receptors antihistaminic drugs .anti –H1 anti-H2 .ex allermine ,cyproheptadin .cemetidin ; ranitidin ; uses in peptic ulcer.	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	B. R. Jones
Main references (sources)	((Pharmacology of student and pupil nurse))
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Professional Ethics					
2. Course Code:					
3. Semester / Year:					
Semester first / 2 year					
4. Description Preparation Date:					
1\9\2024					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
2 *15=30 hour =2 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: wegdan hanon atya Email: wegdan.atyia@atu.edu.iq					
8. Course Objectives					
Identify the basic ethics of professional behavior for workers in medical specialties. Specific objectives:-					
<ul style="list-style-type: none"> • Qualifying the graduate on professional behavior in dealing with profession and achieving harmony with himself and his professional environment. (The patient, his companions, workers in the health field and medical devices) 					
9. Teaching and Learning Strategies					
Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	2	Professional behavior - definition - concept - practical applications - relationship between	Professional behavior - definition - concept - practical applications - relationship between	Giving a lecture and using explanations	Examinations

		workers and their managers.	workers and their managers.		
2nd	2	Principles of professional ethics in the stages of civilizational developments - history of nursing - beginning of nursing - nursing in different religions - nursing in the early days of Islam - Arab and Islamic civilization.	Principles of professional ethics in the stages of civilizational developments - history of nursing - beginning of nursing - nursing in different religions - nursing in the early days of Islam - Arab and Islamic civilization.	Giving a lecture and using explanations	Examinations
3rd	2	Modern nursing - nursing in Iraq - development of the profession - opening of schools, institutes and colleges specialized in nursing.	Modern nursing - nursing in Iraq - development of the profession - opening of schools, institutes and colleges specialized in nursing.	Giving a lecture and using explanations	Examinations
4th	2	Professional ethics and nursing - definition of the profession - rules of ethics - rules of professional ethics - ethics - ethics.	Professional ethics and nursing - definition of the profession - rules of ethics - rules of professional ethics - ethics - ethics.	Giving a lecture and using explanations	Examinations
5th	2	The importance of professional ethics - qualities and ethics that must be available in the male and female nurse - historical roots of nursing ethics - characteristics of modern nursing.	The importance of professional ethics - qualities and ethics that must be available in the male and female nurse - historical roots of nursing ethics - characteristics of modern nursing.	Giving a lecture and using explanations	Examinations
6th	2	Professional constitutions and their benefits - definition of the law - definition of the constitution of professional ethics - benefits of professional constitutions.	Professional constitutions and their benefits - definition of the law - definition of the constitution of professional ethics - benefits of professional constitutions.	Giving a lecture and using explanations	Examinations
7th	2	Rules of nursing services - humanity of nursing - the law of the International Nurses Council and the basic responsibility of the nurse.	Rules of nursing services - humanity of nursing - the law of the International Nurses Council and the basic responsibility of the nurse.	Giving a lecture and using explanations	Examinations
8th	2	The nurse and relationships - the relationship of the nurse and people - the relationship of the nurse and practicing the profession - the relationship of the nurse and society - the relationship of the nurse and her workers - the relationship of the nurse and the profession - the relationship of the nurse and the doctor - the relationship of nurses among themselves.	The nurse and relationships - the relationship of the nurse and people - the relationship of the nurse and practicing the profession - the relationship of the nurse and society - the relationship of the nurse and her workers - the relationship of the nurse and the profession - the relationship of the nurse and the doctor - the relationship of nurses among themselves.	Giving a lecture and using explanations	Examinations
9th	2	Values and their effects on practicing the profession - Definition of values - Classification of values - Nursing and values - Formation of values -	Values and their effects on practicing the profession - Definition of values - Classification of values - Nursing and values - Formation of values -	Giving a lecture and using explanations	Examinations

		Methods of forming values - The impact of growth on acquiring values.	Methods of forming values - The impact of growth on acquiring values.		
10th	2	Classification of values - Theoretical values - Economic values - Aesthetic values - Social values - Religious values - Political values.	Classification of values - Theoretical values - Economic values - Aesthetic values - Social values - Religious values - Political values.	Giving a lecture and using explanations	Examinations
11th	2	Personal and professional values in nursing - Types of values - Personal values of the nurse - Professional values of the nurse.	Personal and professional values in nursing - Types of values - Personal values of the nurse - Professional values of the nurse.	Giving a lecture and using explanations	Examinations
12th	2	Habits and their effect on practicing nursing - Definition of habits - Types of habits - Motor habits - Intellectual habits - Emotional habits - Moral habits.	Habits and their effect on practicing nursing - Definition of habits - Types of habits - Motor habits - Intellectual habits - Emotional habits - Moral habits.	Giving a lecture and using explanations	Examinations
13th	2	Habits and nursing - Habits that must be adhered to or changed - Methods of developing habits - Means of developing habits - Methods of evaluating habits - Religion - Traditions.	Habits and nursing - Habits that must be adhered to or changed - Methods of developing habits - Means of developing habits - Methods of evaluating habits - Religion - Traditions.	Giving a lecture and using explanations	Examinations
14th	2	Personality - Meaning of personality - Definition of personality - Theories of importance in studying personality - Crenschmer's theory - Shelron's theory - Jung's theory.	Personality - Meaning of personality - Definition of personality - Theories of importance in studying personality - Crenschmer's theory - Shelron's theory - Jung's theory.	Giving a lecture and using explanations	Examinations
15th	2	Types of personality - Introverted - Humanistic - Hysterical - Depressed - Volatile - Anxious - Obsessive - Skeptical - Aggressive.	Types of personality - Introverted - Humanistic - Hysterical - Depressed - Volatile - Anxious - Obsessive - Skeptical - Aggressive.	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Fred , Community Medicine , 5 TH ED . London 1984 .
Main references (sources)	Freeman , Ruth Community Health Nursing Philadelphia , 1981 .
Recommended books and references (scientific journals, reports...)	Bayer . M. Community health NURRSING In Deve loping
Electronic References, Websites	

Course Description Form

1. Course Name:					
Child growth and development					
2. Course Code:					
3. Semester / Year:					
Semester first / 2 year					
4. Description Preparation Date:					
1\9\2024					
5. Available Attendance Forms:					
Direct					
6. Number of Credit Hours (Total) / Number of Units (Total)					
6 *15=90 hour =6 unit					
7. Course administrator's name (mention all, if more than one name)					
Name: gamin awez abbas					
Email: ghanemoaiyz@atu.edu.iq					
8. Course Objectives					
The new born baby (fetal)					
Characteristic of new born					
1- Wight 2- Length 3- Skin 4- born 5- Head 6- Chest 7- Muscles					
8- Vital signs 9- senses (eye and sight , hearing , , taste , smell , touch)					
10- nervous system (reflexes) (grasping , clones , Darwinian reflex ,					
• coughing , sneezing , yawing , sucking , swelling , rooting reflex)					
9. Teaching and Learning Strategies					
Strategy	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show)				
	2. Practical application of theoretical vocabulary				
	3. Practical training in hospitals				
10. Course Structure					
Week	H o u r s	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-2	2	The new born baby (fetal) Characteristic of new born	The new born baby (fetal) Characteristic of new born	Giving a lecture	Examinations

		1- Wight 2- Length 3- Skin 4- born 5- Head 6- Chest 7- Muscles 8- Vital signs 9- senses (eye and sight , hearing , , taste , smell , touch) 10- nervous system (reflexes) (grasping , clones , Darwinian reflex , coughing , sneezing , yawing , sucking , swelling , rooting reflex)	1- Wight 2- Length 3- Skin 4- born 5- Head 6- Chest 7- Muscles 8- Vital signs 9- senses (eye and sight , hearing , , taste , smell , touch) 10- nervous system (reflexes) (grasping , clones , Darwinian reflex , coughing , sneezing , yawing , sucking , swelling , rooting reflex)	and using explanation s	
3-4	2	The premature baby :- 1- Definition of premature baby 2- Cause of premature baby 3- Nursing care of premature baby 4- Nursing care during the delivery A- Nursing care in incubator . B- Giving oxygen by (incubator , naso tube or mask)	The premature baby :- 1- Definition of premature baby 2- Cause of premature baby 3- Nursing care of premature baby 4- Nursing care during the delivery A- Nursing care in incubator . B- Giving oxygen by (incubator , naso tube or mask)	Giving a lecture and using explanation s	Examination s
5-6	2	Keep premature with stable temperature - The premature feeding (Tub feeding , Tea spoon feeding , Drop feeding , Gavages feeding) - Giving drugs - Handling the premature in bed - Monitoring the premature	Keep premature with stable temperature - The premature feeding (Tub feeding , Tea spoon feeding , Drop feeding , Gavages feeding) - Giving drugs - Handling the premature in bed - Monitoring the premature	Giving a lecture and using explanation s	Examination s
7	2	The growth and development stages of normal baby . - The new born stage , infant stage , Toddler stage pre – school stage , school age stage , Adolescent stage , Adulthood stage	The growth and development stages of normal baby . - The new born stage , infant stage , Toddler stage pre – school stage , school age stage , Adolescent stage , Adulthood stage	Giving a lecture and using explanation s	Examination s
8	2	The factors of growth and development (Heredity , constructional makeup , Racial & National characteristics A- Sex. B- Prénatal environnent & post natal environ . C- External environnent	The factors of growth and development (Heredity , constructional makeup , Racial & National characteristics A- Sex. B- Prénatal environnent & post natal environ . C- External environnent	Giving a lecture and using explanation s	Examination s
9-10	2	The factors of growth and development (Heredity , constructional makeup , Racial & National characteristics A- Sex. B- Prénatal environnent & post natal environ . C- External environnent	The factors of growth and development (Heredity , constructional makeup , Racial & National characteristics A- Sex. B- Prénatal environnent & post natal environ . C- External environnent	Giving a lecture and using explanation s	Examination s
11-12	2	Feeding of baby . Breast feeding . Artificial feeding . Types of weaning . Feeding baby with deferent ages	Feeding of baby . Breast feeding . Artificial feeding . Types of weaning . Feeding baby with deferent ages	Giving a lecture and using explanation s	Examination s
13	2	The children care of orphan	The children care of orphan	Giving a lecture and using explanation	Examination s

				s	
14-15	2	Development and depended stages . - Religion , norms depend on type of society . - Learn child to make independence	Development and depended stages . - Religion , norms depend on type of society . - Learn child to make independence	Giving a lecture and using explanations	Examinations

11. Course Evaluation

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

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Sadock, BJ., Sadock, VA. Kaplan and Sadock's Compendium of Psychiatry: Behavioral Sciences/Clinical Psychiatry, 10th Edition, Lippincott Williams & Wilkins 200
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Nursing Care for Children and Infants by Abdul Rahman Faris
Electronic References, Websites	