

**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**

**2023–2024**

## **Introduction:**

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

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

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

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

## **Concepts and terminology:**

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

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

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

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

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

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

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

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

## Academic Program Description Form

**University Name:-** Al-Furat AL- Awsat Technical University

**Faculty/Institute:** Technical Institute / Al-Diwaniyah

**Scientific Department:** Department of Nursing Technologies

**Academic or Professional Program:** who

**Final Certificate Name:** Technical diploma

**Academic System:** Course system

**Description Preparation Date:** 2023\9\1



**Signature:**

**Head of Department Name:**

**Assess.prof. Ghanim Awezz Abbas**

**Date:**



**Signature:**

**Scientific Associate Name:**

**Assess.prof. afrah abd-alwahd**

**Date:**

**The file is checked by:** Assess.prof. afrah raheem Idan

**Department of Quality Assurance and University Performance**

**Director of the Quality Assurance and University Performance Department:**

**Date:**

**Signature:**



**Approval of the Dean**

**c. 02/01/23**

### **1. Program Vision**

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 through the development and implementation of robust educational programs and research activities,  
leading to enhanced health care services and access to all members of the community.

### **3. Program Objectives**

- 1- The department aims to graduate technical personnel in environmental health, occupational safety, inspection, health control, health survey, implementation of primary health care programs, carrying out health awareness campaigns, and operating and caring for special devices.
2. Preparing students to become community leaders in competence and professionalism in the field of nursing.
3. Emphasizing the importance of health education in the educational and professional aspects to increase individual, family and community awareness towards achieving self-care.
4. Cooperating with public and private organizations in meeting the health needs of the community

### **4. Program Accreditation**

Does the program have program accreditation? And from which agency?

### **5. Other external influences**

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

6. Program Structure				
Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	1	122		
College Requirements	-	-		
Department Requirements	2	122		
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		
first			theoretical	practical	
			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	-
			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
			Arabic language	2	-
			Biostatic	2	-
		Computer Applications(2)	1	2	
second		Obstetrics nursing	2	4	
		Psychiatric and mental health nursing	2	4	

	Primary health care	2	4
	Pediatric nursing	2	4
	Nutrition and food processing	2	-
	research project	-	2
	Pharmaceuticals	2	-
	Professional ethics	2	-
	Community health service	2	4
	Proposal	-	2
	Maternity nursing	2	4
	Child growth and development	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

A5- Enabling the student to learn how to implement primary health care programs

A6- Enabling the student to learn and participate in special surveys, teams on communicable diseases and how to control them, and health awareness campaigns

### Skills

Learning Outcomes 2

Learning Outcomes Statement 2

Learning Outcomes 3

Learning Outcomes Statement 3

### 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.	Nursing	Children			1	
Assist prof.	Veterinary	Phycology			1	
Assist prof.	Science	Microbiology			1	
Lecturer	Science	Microbiology			1	
Lecturer	Computers	Computers			1	
Lecturer	Science	Cellular and Molecular Sciences			1	
Lecturer	Chemistry	Clinical Chemistry			1	
Lecturer	Veterinary	Parasitology			1	
Assist lecturer	Science	Microbiology			2	
Assist lecturer	Veterinary	Parasitology			1	
Assist lecturer	Veterinary	Phycology			1	
Assist lecturer	Science	Psychology			2	
Assist lecturer	Computers	Computers			2	
Assist lecturer	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



	Physiology	<b>Assist</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Medical viruses and parasites	<b>Assist</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Clinical chemistry	<b>Assist</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Computer applications 2	<b>General</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Arabic language	<b>General</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Biostatic	<b>Assist</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Computer Applications(2)	<b>General</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
second	Obstetrics nursing	<b>Basic</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Psychiatric and mental health nursing	<b>Basic</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Primary health care	<b>Basic</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Pediatric nursing	<b>Basic</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Nutrition and food processing	<b>Assist</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	research project	<b>General</b>	+	+	+	+	+	+	+	+	+	+	+	+	+

	Pharmaceuticals	<b>Assist</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Professional ethics	<b>Assist</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Community health service	<b>Basic</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Proposal	<b>Assist</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Maternity nursing	<b>Basic</b>	+	+	+	+	+	+	+	+	+	+	+	+	+
	Child growth and development	<b>Basic</b>	+	+	+	+	+	+	+	+	+	+	+	+	+

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

## Course Description Form

<b>1. Course Name:</b>	
fundamental of nursing	
<b>2. Course Code:</b>	
<b>3. Semester / Year:</b>	
Semester first / 1st year	
<b>4. Description Preparation Date:</b>	
1\9\2023	
<b>5. Available Attendance Forms:</b>	
Direct	
<b>6. Number of Credit Hours (Total) / Number of Units (Total)</b>	
6 hour =6 unit	
<b>7. Course administrator's name (mention all, if more than one name)</b>	
Name: barra galel saeed Email: barra.saeed@atu.edu.iq	
<b>8. Course Objectives</b>	
<ol style="list-style-type: none"> <li>1. Defines nursing, nurse, chronic and acute diseases.</li> <li>2. Understands the roles and functions of the nurse in patient care and the importance of health promotion.</li> <li>3. Measures vital signs, temperature, respiration, blood pressure, and how to document the nursing.</li> <li>4. Apply the physical examination of patients and the basic rules of personal protective equipment and prevent infection.</li> <li>5. Performs nursing procedures: evaluation, diagnosis, nursing, application, and evaluation of nursing procedures.</li> </ol>	
<b>9. Teaching and Learning Strategies</b>	
<b>Strategy</b>	<ol style="list-style-type: none"> <li>1. Theoretical lectures and the use of modern scientific method in presenting lectures (data show)</li> <li>2. Practical application of theoretical vocabulary</li> <li>3. Practical training in hospitals</li> </ol>

## 10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	<b>Definition</b> (fundamental of nursing, nursing, nurse, health, disease, patient, client, hospital) fields of nursing, role& responsibilities of nurse.	<b>Definition</b> (fundamental of nursing, nursing, nurse, health, disease, patient, client, hospital) fields of nursing, role& responsibilities of nurse.	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	2	<b>Admission &amp; discharge</b> of patient from hospital, Chart report, health record, nurse note (observations) of report. <b>Nursing process</b> (assessment, nursing diagnosis, planning, implementation, evaluation).	<b>Admission &amp; discharge</b> of patient from hospital, Chart report, health record, nurse note (observations) of report. <b>Nursing process</b> (assessment, nursing diagnosis, planning, implementation, evaluation).	Giving a lecture and using explanations	Examinations
3 <sup>rd</sup>	2	<b>Vital signs</b> , 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.	<b>Vital signs</b> , 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	Examinations
4 <sup>th</sup>	2	<b>Administration OF medication</b> , 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.	<b>Administration OF medication</b> , 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	Examinations
5 <sup>th</sup>	2	<b>Intravenous infusion</b> , Types of fluid, Indication &contraindication &role of Nurse in giving intravenous infusion.	<b>Intravenous infusion</b> , Types of fluid, Indication &contraindication &role of Nurse in giving intravenous infusion.	Giving a lecture and using explanations	Examinations
6 <sup>th</sup> & 7 <sup>th</sup>	2	<b>Dressings and Bandages</b> , Advantage of dressing, Types of dressings, Bandages are used to. <b>Wounds &amp; Bleeding</b> , 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.	<b>Dressings and Bandages</b> , Advantage of dressing, Types of dressings, Bandages are used to. <b>Wounds &amp; Bleeding</b> , 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	Examinations
8 <sup>th</sup>	2	<b>Suture</b> : Suture Classification, suturing techniques, Equipment's, Principles of suturing, Suture removal,	<b>Suture</b> : Suture Classification, suturing techniques, Equipment's, Principles of suturing, Suture removal,	Giving a lecture and using explanations	Examinations
9 <sup>th</sup>	2	<b>Body mechanics</b> , Body position, principle of body Mechanics, importance of exercises, Common Dangers of Immobility.	<b>Body mechanics</b> , Body position, principle of body Mechanics, importance of exercises, Common Dangers of Immobility.	Giving a lecture and using explanations	Examinations
10 <sup>th</sup>	2	<b>Asepsis</b> , Infection, stage of infection, Types of infection, <b>Disinfection and sterilization</b> surgical sterilization, Medical sterilization, kind of disinfectant and sterilization of surgical equipment, principle of Dressing .	<b>Asepsis</b> , Infection, stage of infection, Types of infection, <b>Disinfection and sterilization</b> surgical sterilization, Medical sterilization, kind of disinfectant and sterilization of surgical equipment, principle of Dressing .	Giving a lecture and using explanations	Examinations

11th	2	<b>Body Hygiene.</b> Purpose, Bathing <b>Pressure Ulcer</b> (Bed sores), Causes of bed sores, Areas of pressure sores, care and Prevention	<b>Body Hygiene.</b> Purpose, Bathing <b>Pressure Ulcer</b> (Bed sores), Causes of bed sores, Areas of pressure sores, care and Prevention	Giving a lecture and using explanations	Examinations
12th	2	<b>Blood transfusion</b> role of Nurse in giving blood transfusion, indication & contraindication, the goal of blood transfusion.	<b>Blood transfusion</b> role of Nurse in giving blood transfusion, indication & contraindication, the goal of blood transfusion.	Giving a lecture and using explanations	Examinations
13th	2	<b>Administration of O2,</b> Types of giving O2, the goals, nursing intervention, equipment, Artificial respiration	<b>Administration of O2,</b> Types of giving O2, the goals, nursing intervention, equipment, Artificial respiration	Giving a lecture and using explanations	Examinations
14th	2	<b>Enteral feeding:</b> types of feeding tube, feeding tube indications & contraindication, the goals of it, nursing intervention, techniques, Equipment's	<b>Enteral feeding:</b> types of feeding tube, feeding tube indications & contraindication, the goals of it, nursing intervention, techniques, Equipment's	Giving a lecture and using explanations	Examinations
15th	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	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 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.

13. Course Name:

Medical Nursing

14. Course Code:

15. Semester / Year:

Semester first / 1st year

16. Description Preparation Date:

1\9\2023

17. Available Attendance Forms:

Direct

**18. Number of Credit Hours (Total) / Number of Units (Total)**

6 hour =6 unit

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

Name: weam abbas hamad

Email: [weam.hamad@atu.edu.iq](mailto:weam.hamad@atu.edu.iq)

**20. Course Objectives**

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.

**21. Teaching and Learning Strategies**

<b>Strategy</b>	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
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**22. Course Structure**

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	Concept of health and illness / medical terminology.	Concept of health and illness / medical terminology.	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	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	Examinations
3 <sup>rd</sup>	2	Myocardial Infarction/causes/signs and symptoms / diagnostic	Myocardial Infarction/causes/signs and symptoms / diagnostic	Giving a lecture and using explanations	Examinations



		test/treatment/nursing intervention.	test/treatment/nursing intervention.		
4 <sup>th</sup>	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	Examinations
5 <sup>th</sup>	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	Examinations
6 <sup>th</sup>	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	Examinations
7 <sup>th</sup>	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	Examinations
8 <sup>th</sup>	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	Examinations
9 <sup>th</sup>	2	Pancreatitis causes sign and symptoms /treatment/nursing care and education.	Pancreatitis causes sign and symptoms /treatment/nursing care and education.	Giving a lecture and using explanations	Examinations
10 <sup>th</sup>	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	Examinations
11 <sup>th</sup>	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	Examinations
12 <sup>th</sup>	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	Examinations
13 <sup>th</sup>	2	Chronic renal failure /causes /diagnosis / treatment /nursing care.	Chronic renal failure /causes /diagnosis / treatment /nursing care.	Giving a lecture and using explanations	Examinations
14 <sup>th</sup>	2	Immunologic disorders / Acquired immune deficiency syndrome (AIDS). Sign and symptoms	Immunologic disorders / Acquired immune deficiency syndrome (AIDS). Sign and symptoms	Giving a lecture and using explanations	Examinations

		/treatment/nursing care.	/treatment/nursing care.		
<b>15<sup>th</sup></b>	2	<b>Cancer Basics introduction / major risk factors /cancer screening / warning signs / tumor types /tumor staging</b>	<b>Cancer Basics introduction / major risk factors /cancer screening / warning signs / tumor types /tumor staging</b>	Giving a lecture and using explanations	Examinations
<b>23. Course Evaluation</b>					
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					
<b>24. Learning and Teaching Resources</b>					
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		

<b>25. Course Name:</b>
Antomy
<b>26. Course Code:</b>
<b>27. Semester / Year:</b>
Semester first / 1st year
<b>28. Description Preparation Date:</b>
1\9\2023
<b>29. Available Attendance Forms:</b>
Direct
<b>30. Number of Credit Hours (Total) / Number of Units (Total)</b>
4 hour = 4 unit
<b>31. Course administrator's name (mention all, if more than one name)</b>
Name: nawras adnan abdl ameer Email: dw.noras@atu.edu.iq
<b>32. Course Objectives</b>
. The student can be able to know: Anatomy of the human body systems. Specific objectives: . The organs of the body in relating to the surface of the body.

The relation of the organs of each system.

### 33. Teaching and Learning Strategies

<b>Strategy</b>	<p>Theoretical lectures and the use of modern scientific method in presenting lectures (data show)</p> <p>2. Practical application of theoretical vocabulary</p> <p>3. Practical training in hospitals</p>
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### 34. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	<p><b>-Anatomical Directions:</b> Giving the altgram to the all directions of the human body.</p> <p><b>-Surface anatomy heart:</b> Describe the position of the heart according to the chest wall and the number of the rib.</p>	<p><b>-Anatomical Directions:</b> Giving the altgram to the all directions of the human body.</p> <p><b>-Surface anatomy heart:</b> Describe the position of the heart according to the chest wall and the number of the rib.</p>	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	2	<p><b>-Surface Anatomy of lungs:</b> Describe the position of the lungs according to the chest wall and the number of the rib.</p> <p><b>-Anatomy of the abdomen surface:</b> draw the regions of the abdominal surface according to the horizontally &amp; vertically lines.</p>	<p><b>-Surface Anatomy of lungs:</b> Describe the position of the lungs according to the chest wall and the number of the rib.</p> <p><b>-Anatomy of the abdomen surface:</b> draw the regions of the abdominal surface according to the horizontally &amp; vertically lines.</p>	Giving a lecture and using explanations	Examinations
3 <sup>rd</sup>	2	<p><b>-Anatomy of stomach:</b> demonstrate the relation of the stomach to the other organs to the abdomen.</p> <p><b>-Anatomy of Intestine:</b> demonstrate the relation of the Intestine to the other organs to the abdomen.</p> <p><b>-Anatomy of the Appendix:</b> define the region of the appendix at the right iliac region.</p> <p><b>Anatomy of the liver &amp; spleen:</b> show them the regions of liver &amp; spleen according to the surface anatomy of abdomen.</p> <p><b>-Anatomy of the gall bladder:</b> determine the region of gall bladder at</p>	<p><b>-Anatomy of stomach:</b> demonstrate the relation of the stomach to the other organs to the abdomen.</p> <p><b>-Anatomy of Intestine:</b> demonstrate the relation of the Intestine to the other organs to the abdomen.</p> <p><b>-Anatomy of the Appendix:</b> define the region of the appendix at the right iliac region.</p> <p><b>Anatomy of the liver &amp; spleen:</b> show them the regions of liver &amp; spleen according to the surface anatomy of abdomen.</p> <p><b>-Anatomy of the gall bladder:</b> determine the</p>	Giving a lecture and using explanations	Examinations

		the right sub – costal region .define the region of the uterus at the supra – pubic region.	region of gall bladder at the right sub – costal region .define the region of the uterus at the supra – pubic region.		
4 <sup>th</sup>	2	<b>Anatomy of the skeleton:</b> 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.	<b>Anatomy of the skeleton:</b> 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.	Giving a lecture and using explanations	Examinations
5 <sup>th</sup>	2	<b>Anatomy of the upper limb:</b> show the bones of the shoulder on the skeleton which is the scapula and the clavicle. Show the bones of the arm (humerus).	<b>Anatomy of the upper limb:</b> show the bones of the shoulder on the skeleton which is the scapula and the clavicle. Show the bones of the arm (humerus).	Giving a lecture and using explanations	Examinations
6 <sup>th</sup>	2	<b>Anatomy of forearm</b> - Show the bones of the forearm: (ulna and radius). - Demonstrate the bones of the hand : (Carpal bones and meta carpal and phalanges).	<b>Anatomy of forearm</b> - 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 <sup>th</sup>	2	<b>Anatomy of the Lower limb:</b> <b>Bones of the pelvis :</b> define the bones of the pelvis which are : (Ilium and Ischium, Pubis and sacrum). <b>Bones of the thigh:</b> demonstrate of the skeleton the femur bone with the lower and upper ends.	<b>Anatomy of the Lower limb:</b> <b>Bones of the pelvis :</b> define the bones of the pelvis which are : (Ilium and Ischium, Pubis and sacrum). <b>Bones of the thigh:</b> demonstrate of the skeleton the femur bone with the lower and upper ends.	Giving a lecture and using explanations	Examinations
8 <sup>th</sup>	2	<b>Bones of the leg :</b> show the bones which are : (Tibia & fibula) And extraction to the femur and the foot. <b>Bones of the foot:</b> describe the bones which are: (Tarsal & metatarsal & phalanges).	<b>Bones of the leg :</b> show the bones which are : (Tibia & fibula) And extraction to the femur and the foot. <b>Bones of the foot:</b> describe the bones which are: (Tarsal & metatarsal & phalanges).	Giving a lecture and using explanations	Examinations
9 <sup>th</sup>	2	<b>Anatomy of Musculoskeletal System</b> <b>Muscle of the shoulder :</b> show them on the model all	<b>Anatomy of Musculoskeletal System</b> <b>Muscle of the shoulder :</b> show them on the model	Giving a lecture and using explanations	Examinations

		the muscles of the shoulder <b>Anatomy of the chest wall</b> : give the types and numbers of the ribs and declaration of the sternum	all the muscles of the shoulder <b>Anatomy of the chest wall</b> : give the types and numbers of the ribs and declaration of the sternum		
<b>10<sup>th</sup></b>	2	<b>Muscles of the chest &amp; abdomen</b> : give the name of the muscles of the chest wall and abdominal wall. <b>Muscles of the back &amp; gluteal region</b> : show the student muscles of the back and gluteal muscles	<b>Muscles of the chest &amp; abdomen</b> : give the name of the muscles of the chest wall and abdominal wall. <b>Muscles of the back &amp; gluteal region</b> : show the student muscles of the back and gluteal muscles	Giving a lecture and using explanations	Examinations
<b>11<sup>th</sup></b>	2	<b>Anatomy of the cardio-vascular system</b> : describe the anatomy and the structure of heart and the main arteries and veins around the body.	<b>Anatomy of the cardio-vascular system</b> : describe the anatomy and the structure of heart and the main arteries and veins around the body.	Giving a lecture and using explanations	Examinations
<b>12<sup>th</sup></b>	2	<b>Anatomy of the digestive system</b> : show them the model of the organs of the digestive system.	<b>Anatomy of the digestive system</b> : show them the model of the organs of the digestive system.	Giving a lecture and using explanations	Examinations
<b>13<sup>th</sup></b>	2	<b>Respiratory system</b> : demonstrate the lungs and bronchus and bronchi.	<b>Respiratory system</b> : demonstrate the lungs and bronchus and bronchi.	Giving a lecture and using explanations	Examinations
<b>14<sup>th</sup></b>	2	<b>The urogenital system</b> : show them the kidney and urinary bladder with exaltation to the uterus & prostate.	<b>The urogenital system</b> : show them the kidney and urinary bladder with exaltation to the uterus & prostate.	Giving a lecture and using explanations	Examinations
<b>15<sup>th</sup></b>	2	<b>The central nervous system</b> : describe the brain, cerebellum, medulla oblongata and the spinal cord.	<b>The central nervous system</b> : describe the brain, cerebellum, medulla oblongata and the spinal cord.	Giving a lecture and using explanations	Examinations

### 35. Course Evaluation

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

### 36. Learning and Teaching Resources

Required textbooks (curricular books, if any)	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	

37. Course Name:					
<b>Microbiology</b>					
38. Course Code:					
39. Semester / Year:					
Semester first / 1st year					
40. Description Preparation Date:					
1\9\2023					
41. Available Attendance Forms:					
Direct					
42. Number of Credit Hours (Total) / Number of Units (Total)					
4 hour =4 unit					
43. Course administrator's name (mention all, if more than one name)					
Name: layla jasem shebath Email: laila@atu.edu.iq					
44. 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					
45. Teaching and Learning Strategies					
<b>Strategy</b>		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			
46. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	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	
<b>2<sup>nd</sup></b>	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
<b>3<sup>rd</sup></b>	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
<b>4<sup>th</sup></b>	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
<b>5<sup>th</sup></b>	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
<b>6<sup>th</sup></b>	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
<b>7<sup>th</sup></b>	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
<b>8<sup>th</sup></b>	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
<b>9<sup>th</sup></b>	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	
<b>10<sup>th</sup></b>	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
<b>11<sup>th</sup></b>	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
<b>12<sup>th</sup></b>	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
<b>13<sup>th</sup></b>	2	Vibrio comma: Cholerae, general characters, disease, identification, treatment	Vibrio comma: Cholerae, general characters, disease, identification, treatment	Giving a lecture and using explanations	Examinations
<b>14<sup>th</sup></b>	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
<b>15<sup>th</sup></b>	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

#### 47. Course Evaluation

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

#### 48. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Review of medical microbiology 14 <sup>th</sup> 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

#### 49. Course Name:

Biochemistry

#### 50. Course Code:



51. Semester / Year:					
Semester first / 1st year					
52. Description Preparation Date:					
1\9\2023					
53. Available Attendance Forms:					
Direct					
54. Number of Credit Hours (Total) / Number of Units (Total)					
4 hour =4 unit					
55. Course administrator's name (mention all, if more than one name)					
Name: mohamad ganm abbas Email: <a href="mailto:mohamad.Alkhuzai@atu.edu.iq">mohamad.Alkhuzai@atu.edu.iq</a>					
56. Course Objectives					
<p>. Upon completion of the course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• Determine the biochemical composition of the body.</li> <li>• Know basic cellular structure.</li> <li>• Know the special properties of water and how the aqueous environment influences the behavior of biological macromolecules.</li> <li>• Know the structure of proteins, carbohydrates, lipid, hormones and nucleic acids.</li> <li>• Determine the enzymatic activity.</li> <li>• Know metabolic processes in cells.</li> <li>•</li> </ul>					
57. 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>			
58. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	2	General chemistry - chemical reactions (oxidative, reduction, hydrolysis) - measurements in chemistry (qualitative & quantitative assays of substance)	General chemistry - chemical reactions (oxidative, reduction, hydrolysis) - measurements in chemistry (qualitative & quantitative assays of substance)	Giving a lecture and using explanations	Examinations
2nd	2	I. History & scope of biochemistry II. Cell biochemistry -subcellular organelles & cell membranes	I. History & scope of biochemistry II. Cell biochemistry -subcellular organelles & cell	Giving a lecture and using explanations	Examinations

		( structure and functions) -mechanisms of regulation of PH - acid- base balance III. Homeostasis mechanisms IV. Transport through biological cell	membranes ( structure and functions) -mechanisms of regulation of PH - acid- base balance III. Homeostasis mechanisms IV. Transport through biological cell		
<b>3<sup>rd</sup></b>	2	Water and electrolytes balance & imbalance I. Water - disturbance & balance - Intake & output of water II. Electrolyte - composition and disorder of (sodium, potassium, iron, calcium& chloride) III. Biomolecules - structures-functions- properties	Water and electrolytes balance & imbalance I. Water - disturbance & balance - Intake & output of water II. Electrolyte - composition and disorder of (sodium, potassium, iron, calcium& chloride) III. Biomolecules - structures- functions- properties	Giving a lecture and using explanations	Examinations
<b>4<sup>th</sup></b>	2	Amino acid & Proteins ➤ 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	Amino acid & Proteins ➤ 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
<b>5<sup>th</sup></b>	2	Enzymes ➤ Definition & general characteristic ➤ Classification ➤ Enzyme specificity ➤ Enzyme catalysis& active site ➤ Factors influencing enzyme activity	Enzymes ➤ Definition & general characteristic ➤ Classification ➤ Enzyme specificity ➤ Enzyme catalysis& active site ➤ Factors influencing enzyme activity	Giving a lecture and using explanations	Examinations
<b>6<sup>th</sup> - 7<sup>th</sup></b>	2	Carbohydrate • Definition, classification& biological importance, Glycosidic bond • Metabolism of carbohydrate - Glycolysis & Gluconeogenesis - Glycogenolysis & Glycogenesis • Metabolism of disaccharide & polysaccharide • Energetic of metabolic cycle	Carbohydrate • Definition, classification& biological importance, Glycosidic bond • Metabolism of carbohydrate - Glycolysis & Gluconeogenesis - Glycogenolysis & Glycogenesis • Metabolism of disaccharide & polysaccharide • Energetic of metabolic cycle	Giving a lecture and using explanations	Examinations

8 <sup>th</sup> - 9 <sup>th</sup>	2	<p>Lipids</p> <ul style="list-style-type: none"> <li>❖ Classification – structure – properties -Function</li> <li>❖ Neutral fats (TAG)- storage, hydrolysis,</li> <li>❖ Metabolism</li> <li>❖ Cholesterol -function &amp; metabolism</li> <li>❖ Lipoprotein structure</li> </ul>	<p>Lipids</p> <ul style="list-style-type: none"> <li>❖ Classification – structure – properties -Function</li> <li>❖ Neutral fats (TAG)- storage, hydrolysis,</li> <li>❖ Metabolism</li> <li>❖ Cholesterol -function &amp; metabolism</li> <li>❖ Lipoprotein structure</li> </ul>	Giving a lecture and using explanations	Examinations
10-11	2	<p>Hormone</p> <ul style="list-style-type: none"> <li>➤ Definition &amp; function</li> <li>➤ Mechanism of action of hormone</li> <li>➤ Effect and properties of some hormones</li> </ul>	<p>Hormone</p> <ul style="list-style-type: none"> <li>➤ Definition &amp; function</li> <li>➤ Mechanism of action of hormone</li> <li>➤ Effect and properties of some hormones</li> </ul>	Giving a lecture and using explanations	Examinations
12-13	2	<p>Nucleotides</p> <ul style="list-style-type: none"> <li>▪ N-bases, nucleosides, nucleotides, RNA&amp; DNA</li> <li>▪ Degradation of purine, pyrimidin &amp; nucleotide</li> <li>▪ Metabolism disorder of purine &amp; pyrimidin</li> <li>▪ free radicals - definition, generation - free radical scavenger(enzyme system)</li> <li>▪ anti-oxidants (definition &amp; types) - role of antioxidants in the body</li> </ul>	<p>Nucleotides</p> <ul style="list-style-type: none"> <li>▪ N-bases, nucleosides, nucleotides, RNA&amp; DNA</li> <li>▪ Degradation of purine, pyrimidin &amp; nucleotide</li> <li>▪ Metabolism disorder of purine &amp; pyrimidin</li> <li>▪ free radicals - definition, generation - free radical scavenger(enzyme system)</li> <li>▪ anti-oxidants (definition &amp; types) - role of antioxidants in the body</li> </ul>	Giving a lecture and using explanations	Examinations
14 <sup>th</sup> . 15 <sup>th</sup>	2	<p>Vitamins &amp; minerals</p> <p>I. Vitamins</p> <ul style="list-style-type: none"> <li>➤ definition, classification, sources, structure, deficiency &amp; excess</li> </ul> <p>II. Minerals</p> <ul style="list-style-type: none"> <li>➤ trace metals (Zn, Cu, Se and Co)</li> <li>➤ metals poisoning (Hg, Cd, Al and Pb)</li> <li>➤ detoxification &amp; biotransformation</li> </ul>	<p>Vitamins &amp; minerals</p> <p>I. Vitamins</p> <ul style="list-style-type: none"> <li>➤ definition, classification, sources, structure, deficiency &amp; excess</li> </ul> <p>II. Minerals</p> <ul style="list-style-type: none"> <li>➤ trace metals (Zn, Cu, Se and Co)</li> <li>➤ metals poisoning (Hg, Cd, Al and Pb)</li> <li>➤ detoxification &amp; biotransformation</li> </ul>	Giving a lecture and using explanations	Examinations

## 59. Course Evaluation

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

## 60. Learning and Teaching Resources

Required textbooks (curricular books, if any)	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
Electronic References, Websites	

61. Course Name:					
<b>Biostatic</b>					
62. Course Code:					
63. Semester / Year:					
Semester second / 1st year					
64. Description Preparation Date:					
1\9\2023					
65. Available Attendance Forms:					
Direct					
66. Number of Credit Hours (Total) / Number of Units (Total)					
2 hour =2 unit					
67. Course administrator's name (mention all, if more than one name)					
Name: sadia kameel awad Email: <a href="mailto:sadia.awad@atu.edu.iq">sadia.awad@atu.edu.iq</a>					
68. Course Objectives					
<p><b>At the end of the course, students will be able to process statistical data, analyze it, and communicate Correct conclusions and preparing statistical forms</b></p> <p><b>Special objectives:-</b></p> <p><b>The student learns about:-</b></p> <p><b>Dealing with statistical data.</b></p> <p><b>Dealing with and knowing life and health statistics.</b></p> <p><b>Organizing the statistical form and the health form related to daily incidents such as births and deaths And diseases.</b></p>					
69. Teaching and Learning Strategies					
<b>Strategy</b>		Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary			
70. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1 <sup>st</sup>	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 <sup>nd</sup>	2	Representing frequency distributions for "classified data"	Representing frequency distributions for "classified data"	Giving a lecture and using explanations	Examinations
3 <sup>rd</sup>	2	Tabular display "Frequency distribution tables"	Tabular display "Frequency distribution tables"	Giving a lecture and using explanations	Examinations
4 <sup>th</sup>	2	Graphical display - histogram, histogram, histogram, and polygon.	Graphical display - histogram, histogram, histogram, and polygon.	Giving a lecture and using explanations	Examinations
5 <sup>th</sup>	2	Measures of central tendency	Measures of central tendency	Giving a lecture and using explanations	Examinations
6 <sup>th</sup>	2	-Arithmetic mean . The mediator. The mode.	-Arithmetic mean . The mediator. The mode.	Giving a lecture and using explanations	Examinations
7 <sup>th</sup>	2	Life statistics, ratio and rate	Life statistics, ratio and rate	Giving a lecture and using explanations	Examinations
8 <sup>th</sup>	2	Fertility statistics.	Fertility statistics.	Giving a lecture and using explanations	Examinations
9 <sup>th</sup>	2	Disease statistics - life tables.	Disease statistics - life tables.	Giving a lecture and using explanations	Examinations
10 <sup>th</sup>	2	Definition of health statistics and its sources.	Definition of health statistics and its sources.	Giving a lecture and using explanations	Examinations
11 <sup>th</sup>	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 <sup>th</sup>	2	Representing frequency distributions for "classified data"	Representing frequency distributions for "classified data"	Giving a lecture and using explanations	Examinations
13 <sup>th</sup>	2	Tabular display "Frequency distribution tables"	Tabular display "Frequency distribution tables"	Giving a lecture and using explanations	Examinations
14 <sup>th</sup>	2	Graphical display - histogram, histogram, histogram, and polygon.	Graphical display - histogram, histogram, histogram, and polygon.	Giving a lecture and using explanations	Examinations
15 <sup>th</sup>	2	Measures of central tendency	Measures of central tendency	Giving a lecture and using explanations	Examinations

## 71. Course Evaluation

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

## 72. Learning and Teaching Resources

Required textbooks (curricular books, if any)	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	
<b>73. Course Name:</b>	
Computer1	
<b>74. Course Code:</b>	
<b>75. Semester / Year:</b>	
Semester first / 1st year	
<b>76. Description Preparation Date:</b>	
1\9\2023	
<b>77. Available Attendance Forms:</b>	
Direct	
<b>78. Number of Credit Hours (Total) / Number of Units (Total)</b>	
3 hour =3 unit	
<b>79. Course administrator's name (mention all, if more than one name)</b>	
Name: ahlam abbas baty Email: <a href="mailto:dw.ahl@atu.edu.iq">dw.ahl@atu.edu.iq</a>	
<b>80. Course Objectives</b>	
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.	
<ul style="list-style-type: none"> <li>• Specific objective: To provide the student with knowledge in managing and using various computer applications</li> </ul>	
<b>81. Teaching and Learning Strategies</b>	
<b>Strategy</b>	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary
<b>82. Course Structure</b>	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	1	Computer basics	Computer basics	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	1	Fundamentals Computer concept, phases	Fundamentals Computer concept, phases	Giving a lecture and using explanations	Examinations
3 <sup>rd</sup>	1	Computer life cycle, development of computer generations	Computer life cycle, development of computer generations	Giving a lecture and using explanations	Examinations
4 <sup>th</sup>	1	Classification of computer advantages and areas of use	Classification of computer advantages and areas of use	Giving a lecture and using explanations	Examinations
5 <sup>th</sup>	1	Computer in terms of purpose, size and type	Computer in terms of purpose, size and type	Giving a lecture and using explanations	Examinations
6 <sup>th</sup>	1	Computer software licenses and their types,	Computer software licenses and their types,	Giving a lecture and using explanations	Examinations
7 <sup>th</sup>	1	intellectual property, electronic hacking,	intellectual property, electronic hacking,	Giving a lecture and using explanations	Examinations
8 <sup>th</sup>	1	Malware, the most important necessary steps	Malware, the most important necessary steps	Giving a lecture and using explanations	Examinations
9 <sup>th</sup>	1	To protect against hacking and damage	To protect against hacking and damage	Giving a lecture and using explanations	Examinations
10 <sup>th</sup>	1	Computer on health	Computer on health	Giving a lecture and using explanations	Examinations
11 <sup>th</sup>	1	Operating Systems	Operating Systems	Giving a lecture and using explanations	Examinations
12 <sup>th</sup>	1	Definition of operating system, functions, goals	Definition of operating system, functions, goals	Giving a lecture and using explanations	Examinations
13 <sup>th</sup>	1	Classification: Examples of some operating systems	Classification: Examples of some operating systems	Giving a lecture and using explanations	Examinations
14 <sup>th</sup>	1	Operating Systems	Operating Systems	Giving a lecture and using explanations	Examinations
15 <sup>th</sup>	1	Computer software	Computer software licenses	Giving a	Examinations

		licenses and their types,	and their types,	lecture and using explanations	
<b>83. Course Evaluation</b>					
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					
<b>84. Learning and Teaching Resources</b>					
Required textbooks (curricular books, if any)					
Main references (sources)					
Recommended books and references (scientific journals, reports...)					
Electronic References, Websites					
<b>85. Course Name:</b>					
<b>English</b>					
<b>86. Course Code:</b>					
<b>87. Semester / Year:</b>					
Semester first / 1st year					
<b>88. Description Preparation Date:</b>					
1\9\2023					
<b>89. Available Attendance Forms:</b>					
Direct					
<b>90. Number of Credit Hours (Total) / Number of Units (Total)</b>					
2 hour =2 unit					
<b>91. Course administrator's name (mention all, if more than one name)</b>					
Name: raneen mofak fadil Email: <a href="mailto:raneen.fadal@atu.edu.iq">raneen.fadal@atu.edu.iq</a>					
<b>92. Course Objectives</b>					
<ul style="list-style-type: none"> <li>• Students should be able to: <ol style="list-style-type: none"> <li>1. Develop their intellectual, personal and professional abilities.</li> <li>2. Acquire basic language skills (listening, speaking, reading and writing) in order to communication with speakers of English language.</li> <li>3. Acquire the linguistic competence necessarily required in various life situations.</li> <li>4. Acquire the linguistic competence required in different professions.</li> <li>5. Develop positive attitudes towards learning English.</li> </ol> </li> </ul>					



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.

### 93. Teaching and Learning Strategies

<b>Strategy</b>	Theoretical lectures and the use of modern scientific methods presenting lectures (data show) 2. Practical application of theoretical vocabulary
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### 94. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	speakers of English language, also acquire the linguistic competence necessarily required in various life situations. And develop their awareness of the importance of English as a means of international communication.	speakers of English language, also acquire the linguistic competence necessarily required in various life situations. And develop their awareness of the importance of English as a means of international communication.	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	2	Pronunciation . Translation. Everyday English ( Directions )	Pronunciation . Translation. Everyday English ( Directions )	Giving a lecture and using explanations	Examinations
3 <sup>rd</sup>	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
4 <sup>th</sup>	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
5 <sup>th</sup>	2	Everyday English ( Fill in forms ) Exercises .	Everyday English ( Fill in forms ) Exercises .	Giving a lecture and using explanations	Examinations
6 <sup>th</sup>	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
7 <sup>th</sup>	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
8 <sup>th</sup>	2	Grammar (present continuous). Translation . Reading ( Summer in Portugal).	Grammar (present continuous). Translation . Reading ( Summer in Portugal).	Giving a lecture and using explanations	Examinations
9 <sup>th</sup>	2	Everyday English ( What is the matter ? ) .	Everyday English ( What is the matter ? ) .	Giving a lecture	Examinations

		Exercises .	Exercises .	and using explanations	
<b>10<sup>th</sup></b>	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
<b>11<sup>th</sup></b>	2	Translation . Vocabulary ( Transport and travel ) .	Translation . Vocabulary ( Transport and travel ) .	Giving a lecture and using explanations	Examinations
<b>12<sup>th</sup></b>	2	Reading and Speaking . Everyday English ( going Sightseeing)	Reading and Speaking . Everyday English ( going Sightseeing)	Giving a lecture and using explanations	Examinations
<b>13<sup>th</sup></b>	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
<b>14<sup>th</sup></b>	2	Vocabulary ( Months , sports ) . Pronunciation ( Who were they ?).	Vocabulary ( Months , sports ) . Pronunciation ( Who were they ?).	Giving a lecture and using explanations	Examinations
<b>15<sup>th</sup></b>	2	Vocabulary ( Adverbs ) Everyday English ( May I?) Exercises	Vocabulary ( Adverbs ) Everyday English ( May I?) Exercises	Giving a lecture and using explanations	Examinations

### 95. Course Evaluation

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

### 96. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific journals, reports...)

Electronic References, Websites

### 97. Course Name:

Health Assessment

### 98. Course Code:

### 99. Semester / Year:

Semester second / 1st year

### 100. Description Preparation Date:

1\9\2023

### 101. Available Attendance Forms:

Direct

102. Number of Credit Hours (Total) / Number of Units (Total)					
6 hour =6 unit					
103. Course administrator's name (mention all, if more than one name)					
Name: baraa jalal saeed Email: <a href="mailto:baraa.saeed@atu.edu.iq">baraa.saeed@atu.edu.iq</a>					
104. 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					
105. Teaching and Learning Strategies					
<b>Strategy</b>		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			
106. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup> -2 <sup>nd</sup>	2	<b>Introduction and Overview to Health Assessment:</b> - General appearance Personal hygiene, Grooming , Dressing , Posture and gesture , Speech pattern , Orientation	<b>Introduction and Overview to Health Assessment:</b> - General appearance Personal hygiene, Grooming , Dressing , Posture and gesture , Speech pattern , Orientation	Giving a lecture and explanations using	Examinations

3 <sup>rd</sup> - 4 <sup>rd</sup>	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 <sup>th</sup>	2	Cardiovascular System	Cardiovascular System	Giving a lecture using explanations	Examinations
8 <sup>th</sup>	2	Peripheral Assessment	Peripheral Assessment	Giving a lecture using explanations	Examinations
9 <sup>th</sup>	2	Abdominal Assessment	Abdominal Assessment	Giving a lecture using explanations	Examinations
10-11 <sup>th</sup>	2	Neurological System	Neurological System	Giving a lecture using explanations	Examinations
12-13 <sup>th</sup>	2	Musculoskeletal System	Musculoskeletal System	Giving a lecture using explanations	Examinations
14 <sup>th</sup>	2	Reproductive System	Reproductive System	Giving a lecture using explanations	Examinations
15 <sup>th</sup>	2	laboratory Test	laboratory Test	Giving a lecture using explanations	Examinations

### 107. Course Evaluation

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

### 108. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific journals, reports...)

Electronic References, Websites

109. Course Name:

surgical nursing

110. Course Code:

111. Semester / Year:

Semester second / 1st year

112. Description Preparation Date:

1\9\2023

113. Available Attendance Forms:

Direct

<b>114. Number of Credit Hours (Total) / Number of Units (Total)</b>					
6 hour =6 unit					
<b>115. Course administrator's name (mention all, if more than one name)</b>					
Name: weam abbas hamad Email: <a href="mailto:weam.hamad@atu.edu.iq">weam.hamad@atu.edu.iq</a>					
<b>116. Course Objectives</b>					
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 •					
<b>117. Teaching and Learning Strategies</b>					
<b>Strategy</b>	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				
<b>118. Course Structure</b>					
<b>Week</b>	<b>Hours</b>	<b>Required Learning Outcomes</b>	<b>Unit or subject name</b>	<b>Learning method</b>	<b>Evaluation method</b>
<b>1<sup>st</sup></b>	2	common of surgery abbreviation ,Hospital orientation,surgical terminology	common of surgery abbreviation ,Hospital orientation,surgical terminology	Giving a lecture and using explanations	Examinations
<b>2<sup>nd</sup></b>	2	Perioperative nursing intervention for patient	Perioperative nursing intervention for patient	Giving a lecture and using explanations	Examinations
<b>3<sup>rd</sup></b>	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	Examinations
<b>4<sup>th</sup></b>	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	Examinations
<b>5<sup>th</sup></b>	2	Gastrointestinal system/ physical assessment and diagnostic tests /appendicitis/causes path physiology sign and symptom/ treatment/	Gastrointestinal system/ physical assessment and diagnostic tests /appendicitis/causes path physiology sign and	Giving a lecture and using explanations	Examinations

		prepare for appendectomy .	symptom/ treatment/ prepare for appendectomy .		
<b>6<sup>th</sup></b>	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
<b>7<sup>th</sup></b>	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
<b>8<sup>th</sup></b>	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
<b>9<sup>th</sup></b>	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
<b>10<sup>th</sup></b>	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
<b>11<sup>th</sup></b>	2	Fractures / types/ causes/ treatment and nursing intervention.	Fractures / types/ causes/ treatment and nursing intervention.	Giving a lecture and using explanations	Examinatio ns
<b>12<sup>th</sup></b>	2	Amputation/ types/ causes/ treatment and nursing intervention.	Amputation/ types/ causes/ treatment and nursing intervention.	Giving a lecture and using explanations	Examinatio ns
<b>13<sup>th</sup></b>	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
<b>14<sup>th</sup></b>	2	Para thyroidectomy: definition/ type/ preoperative nursing intervention/ complication post-operative nursing care	Para thyroidectomy: definition/ type/ preoperative nursing intervention/ complication post-operative nursing care	Giving a lecture and using explanations	Examinatio ns
<b>15<sup>th</sup></b>	2	Definition of chemotherapy /side effects /method administration of chemotherapy / /patient education / nursing roles for patient injection.	Definition of chemotherapy /side effects /method administration of chemotherapy / /patient education / nursing roles.	Giving a lecture and using explanations	Examinatio ns

### 119. Course Evaluation

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

### 120. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific

journals, reports...)	
Electronic References, Websites	
121. Course Name:	
Medical virology and Parasitology	
122. Course Code:	
123. Semester / Year:	
Semester second / 1st year	
124. Description Preparation Date:	
1\9\2023	
125. Available Attendance Forms:	
Direct	
126. Number of Credit Hours (Total) / Number of Units (Total)	
4 hour =4 unit	
127. Course administrator's name (mention all, if more than one name)	
Name: layla jasem sheabth Email: <a href="mailto:laila84@atu.edu.iq">laila84@atu.edu.iq</a>	
128. Course Objectives	
<ul style="list-style-type: none"> <li>• At the end of the course student will be able to know</li> <li>1- Parasitology and Mycology.</li> <li>2- Medical Parasitology (Protozoa and Worms).</li> <li>3- Factor helps transmission of diseases.</li> <li>4- Pathogenic Parasites.</li> <li>5- Life cycle of the parasite.</li> <li>6- Treatment of parasitic infections &amp;Diagnosis of parasites.</li> <li>7- Prevention and Control.</li> <li>8- Fungal infection types, Clinical diagnosis, treatment</li> </ul>	
129. Teaching and Learning Strategies	
<b>Strategy</b>	<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>
130. Course Structure	

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	parasite definition , parasitology , host , commensalisms parasitism , parasite and pathogenicity	parasite definition , parasitology , host , commensalisms parasitism , parasite and pathogenicity	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	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
3 <sup>rd</sup>	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
4 <sup>th</sup>	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
5 <sup>th</sup>	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
6 <sup>th</sup>	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
7 <sup>th</sup>	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
8 <sup>th</sup>	2	Toxoplasmosis: shape- life cycle disease diagnosis , treatment .	Toxoplasmosis: shape- life cycle disease diagnosis , treatment .	Giving a lecture and using explanations	Examinations
9 <sup>th</sup>	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
10 <sup>th</sup>	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
11 <sup>th</sup>	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



<b>12<sup>th</sup></b>	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
<b>13<sup>th</sup></b>	2	Hydatid cyst: shape, life cycle, diagnosis, treatment.	Hydatid cyst: shape, life cycle, diagnosis, treatment.	Giving a lecture and using explanations	Examinations
<b>14<sup>th</sup></b>	2	Mycology : Introduction general, classification of fungi.	Mycology : Introduction general, classification of fungi.	Giving a lecture and using explanations	Examinations
<b>15<sup>th</sup></b>	2	Fungal infection types, Clinical diagnosis, treatment	Fungal infection types, Clinical diagnosis, treatment	Giving a lecture and using explanations	Examinations

### 131. Course Evaluation

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

### 132. Learning and Teaching Resources

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

133. Course Name:

Physiology

134. Course Code:

135. Semester / Year:

Semester second / 1st year

136. Description Preparation Date:

1\9\2023

137. Available Attendance Forms:

Direct

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

4 hour =4 unit

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

Name: masar jabar jery

Email: [dw@atu.edu.iq](mailto:dw@atu.edu.iq)

#### 140. Course Objectives

. The student can be able to see the benefit of physiological processes in the human Nursing.

Specific Objectives: -

The student should be able to find out:

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.

#### 141. Teaching and Learning Strategies

<b>Strategy</b>	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
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#### 142. Course Structure

<b>Week</b>	<b>Hours</b>	<b>Required Learning Outcomes</b>	<b>Unit or subject name</b>	<b>Learning method</b>	<b>Evaluation method</b>
<b>1<sup>st</sup></b>	2	Introduction to physiology: The cell and general physiology	Introduction to physiology: The cell and general physiology	Giving a lecture and using explanations	Examinations
<b>2<sup>nd</sup></b>	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
<b>3<sup>rd</sup></b>	2	Contraction of skeletal muscle, excitation of skeletal muscle	Contraction of skeletal muscle, excitation of skeletal muscle	Giving a lecture and using explanations	Examinations
<b>4<sup>th</sup></b>	2	Contraction and excitation of smooth muscle	Contraction and excitation of smooth muscle	Giving a lecture and using explanations	Examinations
<b>5<sup>th</sup></b>	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

<b>6<sup>th</sup></b>	2	The Normal Electrocardiogram	The Normal Electrocardiogram	Giving a lecture and using explanations	Examinations
<b>7<sup>th</sup></b>	2	Blood cells, immunity, and blood clotting	Blood cells, immunity, and blood clotting	Giving a lecture and using explanations	Examinations
<b>8<sup>th</sup></b>	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
<b>9<sup>th</sup></b>	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
<b>10<sup>th</sup></b>	2	Regulation of acid-base balance	Regulation of acid-base balance	Giving a lecture and using explanations	Examinations
<b>11<sup>th</sup></b>	2	Respiration	Respiration	Giving a lecture and using explanations	Examinations
<b>12<sup>th</sup></b>	2	The nervous system: General principles and sensory physiology	The nervous system: General principles and sensory physiology	Giving a lecture and using explanations	Examinations
<b>13<sup>th</sup></b>	2	Gastrointestinal physiology	Gastrointestinal physiology	Giving a lecture and using explanations	Examinations
<b>14<sup>th</sup></b>	2	Metabolism and temperature regulation	Metabolism and temperature regulation	Giving a lecture and using explanations	Examinations
<b>15<sup>th</sup></b>	2	Endocrinology and reproduction	Endocrinology and reproduction	Giving a lecture and using explanations	Examinations

### 143. Course Evaluation

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

### 144. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific journals, reports...)

Electronic References, Websites	
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145. Course Name:

Human rights

146. Course Code:

147. Semester / Year:

Semester first / 1st year

148. Description Preparation Date:

1\9\2023

149. Available Attendance Forms:

Direct

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

2 hour =2 unit

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

Name: asaad thamer mekbes

Email: [asaad.mekbes.idi63@atu.edu.iq](mailto:asaad.mekbes.idi63@atu.edu.iq)

152. 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.

153. Teaching and Learning Strategies

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

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	Human rights - their definition - their meaning.	Human rights - their definition - their meaning.	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	2	The roots and development of human rights in human history - human rights in	The roots and development of human rights in human history - human rights in	Giving a lecture and using	Examinations

		ancient times	ancient times	explanations	
<b>3<sup>rd</sup></b>	2	And the intermediate	And the intermediate	Giving a lecture and using explanations	Examinations
<b>4<sup>th</sup></b>	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
<b>5<sup>th</sup></b>	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
<b>6<sup>th</sup></b>	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
<b>7<sup>th</sup></b>	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
<b>8<sup>th</sup></b>	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
<b>9<sup>th</sup></b>	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
<b>10<sup>th</sup></b>	2	And the United League of Hope	And the United League of Hope	Giving a lecture and using explanations	Examinations
<b>11<sup>th</sup></b>	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
<b>12<sup>th</sup></b>	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
<b>13<sup>th</sup></b>	2	Nudity for human rights. 0551	Nudity for human rights. 0551	Giving a lecture and using explanations	Examinations
<b>14<sup>th</sup></b>	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
<b>15<sup>th</sup></b>	2	International - Human Rights Watch.	International - Human Rights Watch.	Giving a lecture and using explanations	Examinations

### 155. Course Evaluation

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

**156. Learning and Teaching Resources**

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

**157. Course Name:**

Medical terminology

**158. Course Code:**

**159. Semester / Year:**

Semester first / 1st year

**160. Description Preparation Date:**

1\9\2023

**161. Available Attendance Forms:**

Direct

**162. Number of Credit Hours (Total) / Number of Units (Total)**

2 hour =2 unit

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

Name: masar gabar gere  
Email:dw@atu.edu.iq

**164. Course Objectives**

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

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**165. Teaching and Learning Strategies**

<b>Strategy</b>	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary
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## 166. Course Structure

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	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 <sup>nd</sup>	2	Basic Elements of a Medical Word, Word root Examples combining form.	Basic Elements of a Medical Word, Word root Examples combining form.	Giving a lecture and using explanations	Examinations
3 <sup>rd</sup>	2	Common prefix and suffixes.	Common prefix and suffixes.	Giving a lecture and using explanations	Examinations
4 <sup>th</sup>	2	Overview of Anatomy and Physiology.	Overview of Anatomy and Physiology.	Giving a lecture and using explanations	Examinations
5 <sup>th</sup>	2	Anatomical Position, Body Planes and Body Cavities.	Anatomical Position, Body Planes and Body Cavities.	Giving a lecture and using explanations	Examinations
6 <sup>th</sup>	2	Clinical, Radiologic, and Diagnostic Procedures.	Clinical, Radiologic, and Diagnostic Procedures.	Giving a lecture and using explanations	Examinations
7 <sup>th</sup>	2	Digestive System	Digestive System	Giving a lecture and using explanations	Examinations
8 <sup>th</sup>	2	Integumentary System	Integumentary System	Giving a lecture and using explanations	Examinations
9 <sup>th</sup>	2	The Musculoskeletal System	The Musculoskeletal System	Giving a lecture and using explanations	Examinations
10 <sup>th</sup>	2	The Reproductive System	The Reproductive System	Giving a lecture and using explanations	Examinations
11 <sup>th</sup>	2	Respiratory System	Respiratory System	Giving a lecture and using explanations	Examinations
12 <sup>th</sup>	2	The Urinary System	The Urinary System	Giving a lecture and using explanations	Examinations
13 <sup>th</sup>	2	The Cardiovascular System	The Cardiovascular System	Giving a lecture	Examinations

				and using explanations	
<b>14<sup>th</sup></b>	2	Blood , Lymph and Immune Systems	Blood , Lymph and Immune Systems	Giving a lecture and using explanations	Examinations
<b>15<sup>th</sup></b>	2	Nervous system	Nervous system	Giving a lecture and using explanations	Examinations

### 167. Course Evaluation

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

### 168. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific journals, reports...)

Electronic References, Websites

169. Course Name:

Clinical chemistry

170. Course Code:

171. Semester / Year:

Semester second / 1st year

172. Description Preparation Date:

1\9\2023

173. Available Attendance Forms:

Direct

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

4 hour =4 unit

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

Name: mohamad ganm abbas

Email: [mohamad.Alkhuzaie@atu.edu.iq](mailto:mohamad.Alkhuzaie@atu.edu.iq)

176. 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

### 177. Teaching and Learning Strategies

<b>Strategy</b>	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary
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### 178. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	2	Introduction to clinical chemistry - laboratory supplies - separation techniques - types of specimen - disposal of hazardous materials	Introduction to clinical chemistry - laboratory supplies - separation techniques - types of specimen - disposal of hazardous materials	Giving a lecture and using explanations	Examinations
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	Plasma proteins • Types of protein abnormalities • Protein in other body fluids • Methods of measure protein	Giving a lecture and using explanations	Examinations

		<ul style="list-style-type: none"> <li>• Non protein nitrogen compounds ( urea, creatinine, uric acid, ammonia)</li> <li>• disorder of urea cycle</li> </ul>	<ul style="list-style-type: none"> <li>• Non protein nitrogen compounds ( urea, creatinine, uric acid, ammonia)</li> <li>• disorder of urea cycle</li> </ul>		
7 <sup>th</sup> & 8 <sup>th</sup>	2	<p>Enzymes</p> <ul style="list-style-type: none"> <li>➤ Clinical enzymology <ul style="list-style-type: none"> <li>▪ ( ALT, AST, GGT, ALP, ACP)</li> <li>▪ Enzyme profile in liver disease</li> <li>▪ Enzyme markers of cardiac disease</li> <li>▪ Amylase &amp; lipase</li> </ul> </li> <li>➤ Liver function test</li> <li>❖ Major function of liver</li> <li>❖ Classified of liver function test</li> <li>❖ markers of hepatic dysfunction</li> <li>- test based on synthetic function of liver - test based on serum enzyme</li> <li>- test of obstructive liver disease</li> </ul>	<p>Enzymes</p> <ul style="list-style-type: none"> <li>➤ Clinical enzymology <ul style="list-style-type: none"> <li>▪ ( ALT, AST, GGT, ALP, ACP)</li> <li>▪ Enzyme profile in liver disease</li> <li>▪ Enzyme markers of cardiac disease</li> <li>▪ Amylase &amp; lipase</li> </ul> </li> <li>➤ Liver function test</li> <li>❖ Major function of liver</li> <li>❖ Classified of liver function test</li> <li>❖ markers of hepatic dysfunction</li> <li>- test based on synthetic function of liver - test based on serum enzyme</li> <li>- test of obstructive liver disease</li> </ul>	Giving a lecture and using explanations	Examinations
9 <sup>th</sup> & 10 <sup>th</sup>	2	<p>Carbohydrate</p> <ul style="list-style-type: none"> <li>• Types of carbohydrate and method of measures in blood</li> <li>• Hyperglycemia &amp; Hypoglycemia</li> <li>• Hormonal regulation of carbohydrate level in the body</li> <li>• Normal plasma glucose level &amp; clinical significance</li> <li>- diabetes mellitus &amp; metabolic syndrome</li> <li>- laboratory investigation of diabetes</li> </ul>	<p>Carbohydrate</p> <ul style="list-style-type: none"> <li>• Types of carbohydrate and method of measures in blood</li> <li>• Hyperglycemia &amp; Hypoglycemia</li> <li>• Hormonal regulation of carbohydrate level in the body</li> <li>• Normal plasma glucose level &amp; clinical significance</li> <li>- diabetes mellitus &amp; metabolic syndrome</li> <li>- laboratory investigation of diabetes</li> </ul>	Giving a lecture and using explanations	Examinations
11 <sup>th</sup>	2	<p>Lipids</p> <ul style="list-style-type: none"> <li>❖ General lipoprotein</li> <li>❖ Lipid associated disease</li> <li>❖ Plasma lipoprotein (types and their significance)</li> <li>❖ Lipid profile</li> </ul>	<p>Lipids</p> <ul style="list-style-type: none"> <li>❖ General lipoprotein</li> <li>❖ Lipid associated disease</li> <li>❖ Plasma lipoprotein (types and their significance)</li> <li>❖ Lipid profile</li> </ul>	Giving a lecture and using explanations	Examinations
	2	<p>Hormone</p> <ul style="list-style-type: none"> <li>➤ disorders of: <ul style="list-style-type: none"> <li>- hypothalamic and pituitary hormones</li> <li>- steroid hormones - thyroid hormones</li> <li>- pancreas &amp; gastro intestinal tract</li> <li>- pregnancy hormone</li> </ul> </li> </ul>	<p>Hormone</p> <ul style="list-style-type: none"> <li>➤ disorders of: <ul style="list-style-type: none"> <li>- hypothalamic and pituitary hormones</li> <li>- steroid hormones - thyroid hormones</li> <li>- pancreas &amp; gastro intestinal tract</li> <li>- pregnancy hormone</li> </ul> </li> </ul>	Giving a lecture and using explanations	Examinations
14 <sup>th</sup>	2	<p>Nucleotides</p> <ul style="list-style-type: none"> <li>▪ Cancer- cellular</li> </ul>	<p>Nucleotides</p> <ul style="list-style-type: none"> <li>▪ Cancer- cellular</li> </ul>	Giving a lecture	Examinations

		differentiation, carcinogens and cancer therapy <ul style="list-style-type: none"> <li>Tumor markers</li> <li>free radicals</li> </ul> - clinical significance (lipid peroxidation)	differentiation, carcinogens and cancer therapy <ul style="list-style-type: none"> <li>Tumor markers</li> <li>free radicals</li> </ul> - clinical significance (lipid peroxidation)	and using explanations	
15th	2	Vitamins & minerals <ul style="list-style-type: none"> <li>energy requirements</li> <li>malnutrition risk</li> <li>obesity</li> <li>glycemic index</li> <li>toxic substance in foodstuffs</li> </ul>	Vitamins & minerals <ul style="list-style-type: none"> <li>energy requirements</li> <li>malnutrition risk</li> <li>obesity</li> <li>glycemic index</li> <li>toxic substance in foodstuffs</li> </ul>	Giving a lecture and using explanations	Examinations

### 179. Course Evaluation

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

### 180. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific journals, reports...)

Electronic References, Websites

181. Course Name:

Computer2

182. Course Code:

183. Semester / Year:

Semester second / 1st year

184. Description Preparation Date:

1\9\2023

185. Available Attendance Forms:

Direct

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

3 hour =3 unit

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

Name: ahlam abbas baty

Email: [dw.ahl@atu.edu.iq](mailto:dw.ahl@atu.edu.iq)

188. 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

### 189. Teaching and Learning Strategies

<b>Strategy</b>	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary
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### 190. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	Computer basics	Computer basics	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	2	Fundamentals Computer concept, phases	Fundamentals Computer concept, phases	Giving a lecture and using explanations	Examinations
3 <sup>rd</sup>	2	Computer life cycle, development of computer generations	Computer life cycle, development of computer generations	Giving a lecture and using explanations	Examinations
4 <sup>th</sup>	2	Classification of computer advantages and areas of use	Classification of computer advantages and areas of use	Giving a lecture and using explanations	Examinations
5 <sup>th</sup>	2	Computer in terms of purpose, size and type	Computer in terms of purpose, size and type	Giving a lecture and using explanations	Examinations
6 <sup>th</sup>	2	Computer software licenses and their types,	Computer software licenses and their types,	Giving a lecture and using explanations	Examinations
7 <sup>th</sup>	2	intellectual property, electronic hacking,	intellectual property, electronic hacking,	Giving a lecture and using explanations	Examinations
8 <sup>th</sup>	2	Malware, the most important necessary steps	Malware, the most important necessary steps	Giving a lecture and using explanations	Examinations
9 <sup>th</sup>	2	To protect against hacking and damage	To protect against hacking and damage	Giving a lecture	Examinations

				and using explanations	
<b>10<sup>th</sup></b>	2	Computer on health	Computer on health	Giving a lecture and using explanations	Examinations
<b>11<sup>th</sup></b>	2	Operating Systems	Operating Systems	Giving a lecture and using explanations	Examinations
<b>12<sup>th</sup></b>	2	Definition of operating system, functions, goals	Definition of operating system, functions, goals	Giving a lecture and using explanations	Examinations
<b>13<sup>th</sup></b>	2	Classification: Examples of some operating systems	Classification: Examples of some operating systems	Giving a lecture and using explanations	Examinations
<b>14<sup>th</sup></b>	2	Operating Systems	Operating Systems	Giving a lecture and using explanations	Examinations
<b>15<sup>th</sup></b>	2	Computer software licenses and their types,	Computer software licenses and their types,	Giving a lecture and using explanations	Examinations

### 191. Course Evaluation

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

### 192. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific journals, reports...)

Electronic References, Websites

193. Course Name:

Obstetric Nursing

194. Course Code:

195. Semester / Year:

Semester second / 2 year

196. Description Preparation Date:

1\9\2023

197. Available Attendance Forms:					
Direct					
198. Number of Credit Hours (Total) / Number of Units (Total)					
6 hour =6 unit					
199. Course administrator's name (mention all, if more than one name)					
Name: thanaa esmaell Email: <a href="mailto:than.dw@atu.edu.iq">than.dw@atu.edu.iq</a>					
200. Course Objectives					
<ul style="list-style-type: none"> <li>• 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..</li> </ul>					
201. Teaching and Learning Strategies					
<b>Strategy</b>		Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary			
202. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	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.	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.	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	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
3 <sup>rd</sup>	2	General complications	General complications	Giving a	Examinations

		during pregnancy Hyperemesis gravidarum , hemorrhoid, heart burn , edema , constipation , varicose vein , and anemia , DM.	during pregnancy Hyperemesis gravidarum , hemorrhoid, heart burn , edema , constipation , varicose vein , and anemia , DM.	lecture and using explanations	
<b>4<sup>th</sup></b>	2	Complication of pregnancy – hypertension causes, signs and symptoms , complication and treatment and nursing care . Toxemia 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 . Toxemia of pregnancy – causes-signs and symptoms , complication , treatment and nursing care .	Giving a lecture and using explanations	Examinations
<b>5<sup>th</sup></b>	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
<b>6<sup>th</sup></b>	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
<b>7<sup>th</sup></b>	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
<b>8<sup>th</sup></b>	2	Preparation for normal labor . - Prepare the pregnant women . - Advising about diet , exercise , perineal care , walking . - Checking uterine contraction , fetal heart , vaginal examination . Mechanism of labor (definition , causes , show , the onset of labor , rupture of membrane).	Preparation for normal labor . - Prepare the pregnant women . - Advising about diet , exercise , perineal care , walking . - Checking uterine contraction , fetal heart , vaginal examination . Mechanism of labor (definition , causes , show , the onset of labor , rupture of membrane).	Giving a lecture and using explanations	Examinations
<b>9<sup>th</sup></b>	2	Mechanism of first stage of labor . Mechanism of	Mechanism of first stage of labor . Mechanism of	Giving a lecture	Examinations

		second stage of labor . Mechanism of delivery or signs of placenta separation .	second stage of labor . Mechanism of delivery or signs of placenta separation .	and using explanations	
<b>10<sup>th</sup></b>	2	Presentation of fetus . - cephalic – breech – transverse – face – umbilical cord , causes and nursing care . Mechanism of presentation .	Presentation of fetus . - cephalic – breech – transverse – face – umbilical cord , causes and nursing care . Mechanism of presentation .	Giving a lecture and using explanations	Examinations
<b>11<sup>th</sup></b>	2	-Induction of labor .(definition , causes , nursing care). - Methods of induction of labor . - Artificial rupture of membrane . - Forceps delivery. - Episiotomy . - Version. - Vacuum. Causes , complication , nursing care.	-Induction of labor .(definition , causes , nursing care). - Methods of induction of labor . - Artificial rupture of membrane . - Forceps delivery. - Episiotomy . - Version. - Vacuum. Causes , complication , nursing care.	Giving a lecture and using explanations	Examinations
<b>12<sup>th</sup></b>	2	Complication of labor . Complication of first stage (rupture of membrane , cord prolapse). Complication of second stage (uterine rupture , tears (and nursing care) uterine version (causes , signs and symptoms and nursing care) . Newborn baby (physical characteristics of newborn baby). Nursing care (care of the eyes, umbilical cord , cleaning the airway , weight and recording)	Complication of labor . Complication of first stage (rupture of membrane , cord prolapse). Complication of second stage (uterine rupture , tears (and nursing care) uterine version (causes , signs and symptoms and nursing care) . Newborn baby (physical characteristics of newborn baby). Nursing care (care of the eyes, umbilical cord , cleaning the airway , weight and recording)	Giving a lecture and using explanations	Examinations
<b>13<sup>th</sup></b>	2	Puerperium (definition , the normal duration of puerperium , the physiological changes 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).	Puerperium (definition , the normal duration of puerperium , the physiological changes 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).	Giving a lecture and using explanations	Examinations
<b>14<sup>th</sup></b>	2	Lactation (types , advantages and methods of lactation). Nursing care and advising	Lactation (types , advantages and methods of lactation). Nursing care and advising	Giving a lecture and using explanations	Examinations



		about breast feeding . Complication of breast feeding (engorgement mastitis , and breast abscess) causes signs and symptoms and nursing care.	about breast feeding . Complication of breast feeding (engorgement mastitis , and breast abscess) causes signs and symptoms and nursing care.		
<b>15<sup>th</sup></b>	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

### 203. Course Evaluation

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

### 204. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific journals, reports...)

Electronic References, Websites

205. Course Name:

**Psychiatric & mental health Nursing**

206. Course Code:

207. Semester / Year:

Semester second / 2 year

208. Description Preparation Date:

1\9\2023

209. Available Attendance Forms:

Direct

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

6 hour =6 unit

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

Name: areg fadel kashash

Email: [areej.ghshash.idi1@atu.edu.iq](mailto:areej.ghshash.idi1@atu.edu.iq)

212. 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

### 213. Teaching and Learning Strategies

<b>Strategy</b>	<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>
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### 214. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	Vocabulary details	Vocabulary details	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	2	Mental illnesses:	Mental illnesses:	Giving a lecture and using explanations	Examinations
3 <sup>rd</sup>	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 <sup>th</sup>	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 <sup>th</sup>	2	hypochondria:	hypochondria:	Giving a lecture and using explanations	Examinations

6 <sup>th</sup>	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 <sup>th</sup>	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 <sup>th</sup>	2	Suicide:	Suicide:	Giving a lecture and using explanations	Examinations
9 <sup>th</sup>	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 <sup>th</sup>	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 <sup>th</sup>	2	Toxic - use of cutting weapons.	Toxic - use of cutting weapons.	Giving a lecture and using explanations	Examinations
12 <sup>th</sup>	2	2-Motives for suicide, such as feeling sad - pessimism - feeling guilty - emotional failure - loss	2-Motives for suicide, such as feeling sad - pessimism - feeling guilty - emotional failure - loss	Giving a lecture and using explanations	Examinations
13 <sup>th</sup>	2	hypochondria:	hypochondria:	Giving a lecture and using explanations	Examinations
14 <sup>th</sup> -	2	Mental illnesses of organic origin:	Mental illnesses of organic origin:	Giving a lecture and using explanations	Examinations
15 <sup>th</sup>	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

### 215. Course Evaluation

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

### 216. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific journals, reports...)

Electronic References, Websites					
217. Course Name:					
<b>Community health service</b>					
218. Course Code:					
219. Semester / Year:					
Semester second / 2 year					
220. Description Preparation Date:					
1\9\2023					
221. Available Attendance Forms:					
Direct					
222. Number of Credit Hours (Total) / Number of Units (Total)					
6 hour =6 unit					
223. Course administrator's name (mention all, if more than one name)					
Name: asraa nadum satar Email: <a href="mailto:asraa.alsatar@atu.edu.iq">asraa.alsatar@atu.edu.iq</a>					
224. 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 •					
225. Teaching and Learning Strategies					
<b>Strategy</b>	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals				
226. Course Structure					
<b>Week</b>	<b>Hours</b>	<b>Required Learning Outcomes</b>	<b>Unit or subject name</b>	<b>Learning method</b>	<b>Evaluation method</b>
1st	2	Stages of vaccine distribution - caring for vaccines in the refrigerator - health center - the role of	Stages of vaccine distribution - caring for vaccines in the refrigerator - health center - the role of	Giving a lecture and using explanations	Examinations

		the nurse in the cold chain	the nurse in the cold chain		
<b>2<sup>nd</sup></b>	2	- Register .	- Register .	Giving a lecture and using explanations	Examinations
<b>3<sup>rd</sup></b>	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
<b>4<sup>th</sup></b>	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
<b>5<sup>th</sup></b>	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
<b>6<sup>th</sup></b>	2	International procedures.	International procedures.	Giving a lecture and using explanations	Examinations
<b>7<sup>th</sup></b>	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
<b>8<sup>th</sup></b>	2	Laboratory and its conditions.	Laboratory and its conditions.	Giving a lecture and using explanations	Examinations
<b>9<sup>th</sup></b>	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
<b>10<sup>th</sup></b>	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
<b>11<sup>th</sup></b>	2	Atmospheric health - nutritional health - its importance - its components.	Atmospheric health - nutritional health - its importance - its components.	Giving a lecture and using explanations	Examinations
<b>12<sup>th</sup></b>	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
<b>13<sup>th</sup></b>	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
<b>14<sup>th</sup></b>	2	And nutritional guide meals.	And nutritional guide meals.	Giving a lecture and using	Examinations

				explanations	
<b>15<sup>th</sup></b>	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

### 227. Course Evaluation

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

### 228. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

Recommended books and references (scientific journals, reports...)

Electronic References, Websites

229. Course Name:

Pediatric disease

230. Course Code:

231. Semester / Year:

Semester second / 2 year

232. Description Preparation Date:

1\9\2023

233. Available Attendance Forms:

Direct

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

6 hour =6 unit

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

Name: ghanem oaiyz abbas

Email: [ghanemoaiyz@atu.edu.iq](mailto:ghanemoaiyz@atu.edu.iq)

236. Course Objectives

- 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

### 237. Teaching and Learning Strategies

<b>Strategy</b>	<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>
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### 238. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	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
2 <sup>nd</sup>	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
3 <sup>rd</sup>	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
4 <sup>th</sup>	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
5 <sup>th</sup>	2	4- Vomiting 5- diarrhea 6- Constipation .	4- Vomiting 5- diarrhea 6- Constipation .	Giving a lecture and using explanations	Examinations
6 <sup>th</sup>	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
7 <sup>th</sup>	2	Nursing care of urinary condition system . 1- Acute Glomerulonephritis . 2- Nephritic syndrome (nephrosis) . 3- Pye lonephritis	Nursing care of urinary condition system . 1- Acute Glomerulonephritis . 2- Nephritic syndrome (nephrosis) . 3- Pye lonephritis	Giving a lecture and using explanations	Examinations

		(pyelitis) . 4- Renal failure .	(pyelitis) . 4- Renal failure .		
<b>8<sup>th</sup></b>	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
<b>9<sup>th</sup></b>	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
<b>10<sup>th</sup></b>	2	The contaminated environment influence of 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	The contaminated environment influence of 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	Giving a lecture and using explanations	Examinations
<b>11<sup>th</sup></b>	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
<b>12<sup>th</sup></b>	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
<b>13<sup>th</sup></b>	2	The nursing care of the dying child .	The nursing care of the dying child .	Giving a lecture and using explanations	Examinations
<b>14<sup>th</sup></b>	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	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	Giving a lecture and using explanations	Examinations



		10 .Infection hepatitis 11.Typhoid fever	10 .Infection hepatitis 11.Typhoid fever		
<b>15<sup>th</sup></b>	<b>2</b>	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

### 239. Course Evaluation

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

### 240. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Eiger , M. S & Olds , S. W, The Complete Book Breast feeding
Main references (sources)	New York – Workman Publishing Company , Inc / 1972 .
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

241. Course Name:

Nutrition and diet therapy

242. Course Code:

243. Semester / Year:

Semester second / 2 year

244. Description Preparation Date:

1\9\2023

245. Available Attendance Forms:

Direct

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

2 hour =2 unit

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

Name: nawreas adnan abd alamerr

Email: [dw.naras@atu.edu.iq](mailto:dw.naras@atu.edu.iq)

248. Course Objectives

**. The student can be able to see the benefit of Healthy nutrition - the importance of balanced food - how the body uses food.**

**Daily nutritional standards and recommendations - nutritional needs of individuals.**

## Nutrients in food - carbohydrates - their classification - their functions carbohydrates in food -

### 249. Teaching and Learning Strategies

<b>Strategy</b>	<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>
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### 250. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	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
2 <sup>nd</sup>	2	Daily nutritional standards and recommendations - nutritional needs of individuals.	Daily nutritional standards and recommendations - nutritional needs of individuals.	Giving a lecture and using explanations	Examinations
3 <sup>rd</sup>	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
4 <sup>th</sup>	2	Carbohydrate needs - dental caries.	Carbohydrate needs - dental caries.	Giving a lecture and using explanations	Examinations
5 <sup>th</sup>	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
6 <sup>th</sup>	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
7 <sup>th</sup>	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
8 <sup>th</sup>	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
9 <sup>th</sup>	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
10 <sup>th</sup>	2	Water - its distribution in the body - its	Water - its distribution in	Giving a	Examin

		functions - the individual need for water for electrolytes in the body - sodium - potassium -	the body - its functions - the individual need for water for electrolytes in the body - sodium - potassium -	lecture and using explanations	ations
<b>11<sup>th</sup></b>	2	Chloride. Mineral salts - calcium - iron - iodine.	Chloride. Mineral salts - calcium - iron - iodine.	Giving a lecture and using explanations	Examinations
<b>12<sup>th</sup></b>	2	-1 Nutrition during pregnancy - nutritional needs.	-1 Nutrition during pregnancy - nutritional needs.	Giving a lecture and using explanations	Examinations
<b>13<sup>th</sup></b>	2	-2 Nutrition during breastfeeding - nutritional needs.	-2 Nutrition during breastfeeding - nutritional needs.	Giving a lecture and using explanations	Examinations
<b>14<sup>th</sup></b>	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
<b>15<sup>th</sup></b>	2	-4 Nutrition in early childhood - nutritional needs.	-4 Nutrition in early childhood - nutritional needs.	Giving a lecture and using explanations	Examinations

### 251. Course Evaluation

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

### 252. Learning and Teaching Resources

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

253. Course Name:

**Maternity Nursing**

254. Course Code:

255. Semester / Year:

Semester first / 2 year

256. Description Preparation Date:

1\9\2023

257. Available Attendance Forms:

Direct

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

6 hour =6 unit

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

Name: thana esmaell  
 Email: than.dw@atu.edu.iq

**260. 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

**261. Teaching and Learning Strategies**

<b>Strategy</b>	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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**262. Course Structure**

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	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
2 <sup>nd</sup>	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

<b>3rd</b>	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
<b>4th</b>	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
<b>5th</b>	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
<b>6th</b>	2	Toxemia of pregnancy – causes-signs and symptoms , complication , treatment and nursing care .	Toxemia of pregnancy – causes-signs and symptoms , complication , treatment and nursing care .	Giving a lecture and using explanations	Examinations
<b>7th</b>	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
<b>8th</b>	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
<b>9th</b>	2	Normal labor – definition of normal labor, signs of false and true labor. Premonitory	Normal labor – definition of normal labor, signs of false and true labor. Premonitory	Giving a lecture and using explanations	Examinations

		signs of labor .	signs of labor .		
<b>10<sup>th</sup></b>	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
<b>11<sup>th</sup></b>	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
<b>12<sup>th</sup></b>	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
<b>13<sup>th</sup></b>	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
<b>14<sup>th</sup></b>	2	Mechanism of delivery or signs of placenta separation .	Mechanism of delivery or signs of placenta separation .	Giving a lecture and using explanations	Examinations
<b>15<sup>th</sup></b>	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

### 263. Course Evaluation

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

### 264. Learning and Teaching Resources

Required textbooks (curricular books, if any)	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

265. Course Name:					
<b>Primary Health care</b>					
266. Course Code:					
267. Semester / Year:					
Semester first / 2 year					
268. Description Preparation Date:					
1\9\2023					
269. Available Attendance Forms:					
Direct					
270. Number of Credit Hours (Total) / Number of Units (Total)					
6 hour =6 unit					
271. Course administrator's name (mention all, if more than one name)					
Name: asraa nadum abd alsatar					
Email: asraa.alsatar@atu.edu.iq					
272. 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.					
<ul style="list-style-type: none"> <li>Gain Skill and Experience in Educational and Health Programs</li> </ul>					
273. Teaching and Learning Strategies					
<b>Strategy</b>	Theoretical lectures and the use of modern scientific methods in presenting lectures (data show) 2. Practical application of theoretical vocabulary 3. Practical training in hospitals				
274. Course Structure					
<b>Week</b>	<b>Hours</b>	<b>Required Learning Outcomes</b>	<b>Unit or subject name</b>	<b>Learning method</b>	<b>Evaluation method</b>

<b>1st</b>	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
<b>2nd</b>	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
<b>3rd</b>	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
<b>4th</b>	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
<b>5th</b>	2	Health education - its objectives and mass communication means.	Health education - its objectives and mass communication means.	Giving a lecture and using explanations	Examinations
<b>6th</b>	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
<b>7th</b>	2	Maternity and childhood care.	Maternity and childhood care.	Giving a lecture and using explanations	Examinations
<b>8th</b>	2	Maternity care - its importance - its objectives.	Maternity care - its importance - its objectives.	Giving a lecture and using explanations	Examinations
<b>9th</b>	2	Maternal care during pregnancy.	Maternal care during pregnancy.	Giving a lecture and using explanations	Examinations
<b>10th</b>	2	Maternal care during childbirth.	Maternal care during childbirth.	Giving a lecture and using explanations	Examinations
<b>11th</b>	2	Maternal care during the postpartum period.	Maternal care during the postpartum period.	Giving a lecture and using explanations	Examinations
<b>12th</b>	2	The role of the nurse in maternal care.	The role of the nurse in maternal care.	Giving a lecture and using explanations	Examinations
<b>13th</b>	2	Child care - its importance - its objectives.	Child care - its importance - its objectives.	Giving a lecture and using explanations	Examinations
<b>14th</b>	2	Newborn child care.	Newborn child care.	Giving a lecture and using explanations	Examinations



<b>15<sup>th</sup></b>	2	Infant vaccinations - Child care in nurseries.	Infant vaccinations - Child care in nurseries.	Giving a lecture and using explanations	Examinations
<b>275. Course Evaluation</b>					
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					
<b>276. Learning and Teaching Resources</b>					
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					

<b>277. Course Name:</b>
<b>Principle of Psychiatric Nursing</b>
<b>278. Course Code:</b>
<b>279. Semester / Year:</b>
Semester first / 2 year
<b>280. Description Preparation Date:</b>
1\9\2023
<b>281. Available Attendance Forms:</b>
Direct
<b>282. Number of Credit Hours (Total) / Number of Units (Total)</b>
6 hour =6 unit
<b>283. Course administrator's name (mention all, if more than one name)</b>
Name: areej fadul ghshash Email: areej.ghashash@atu.edu.iq
<b>284. Course Objectives</b>
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

**285. Teaching and Learning Strategies**

<b>Strategy</b>	<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>
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**286. Course Structure**

<b>Week</b>	<b>Hours</b>	<b>Required Learning Outcomes</b>	<b>Unit or subject name</b>	<b>Learning method</b>	<b>Evaluation method</b>
<b>1st</b>	2	Psychological Crisis	Psychological Crisis	Giving a lecture and using explanations	Examinations
<b>2nd</b>	2	Causes of psychological crises - Material obstacles	Causes of psychological crises - Material obstacles	Giving a lecture and using explanations	Examinations
<b>3rd</b>	2	Conflict of motives:	Conflict of motives:	Giving a lecture and using explanations	Examinations
<b>4th</b>	2	- Psychological conflict - Psychological state	- Psychological conflict - Psychological state	Giving a lecture and using explanations	Examinations
<b>5th</b>	2	- Painful conflicts - Satisfying motives	- Painful conflicts - Satisfying motives	Giving a lecture and using explanations	Examinations
<b>6th</b>	2	Overcompensation:	Overcompensation:	Giving a lecture and using explanations	Examinations
<b>7th</b>	2	- Manifestations of overcompensation - Images of overcompensation	- Manifestations of overcompensation - Images of overcompensation	Giving a lecture and using explanations	Examinations
<b>8th</b>	2	Reverse formation:	Reverse formation:	Giving a lecture and using explanations	Examinations
<b>9th</b>	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
<b>10th</b>	2	- Relationship of reverse formation to heritage	- Relationship of reverse formation to heritage	Giving a lecture and using explanations	Examinations
<b>11th</b>	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
<b>12th</b>	2	- Normal and abnormal personalities. - Statistical standard.	- Normal and abnormal personalities. - Statistical standard.	Giving a lecture and using explanations	Examinations
<b>13th</b>	2	- Ideal standard. - Civilizational standard -	- Ideal standard. - Civilizational standard -	Giving a lecture and using	Examinations

		Pathological standard.	Pathological standard.	explanations	
<b>14<sup>th</sup></b>	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
<b>15<sup>th</sup></b>	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

### 287. Course Evaluation

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

### 288. Learning and Teaching Resources

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

289. Course Name:

Pharmacology

290. Course Code:

291. Semester / Year:

Semester first / 2 year

292. Description Preparation Date:

1\9\2023

293. Available Attendance Forms:

Direct

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

2 hour =2 unit

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

Name: maryam atya

Email: Maryam.kazaal@atu.edu.iq

296. 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

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### 297. Teaching and Learning Strategies

<b>Strategy</b>	<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>
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### 298. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	Introduction ; pharmacokinetics, pharmacodynamics; drug, receptors	Introduction ; pharmacokinetics, pharmacodynamics; drug, receptors	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	2	Dose; dose estimation: factors effecting dose .dosage form.	Dose; dose estimation: factors effecting dose .dosage form.	Giving a lecture and using explanations	Examinations
3 <sup>rd</sup>	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
4 <sup>th</sup>	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
5 <sup>th</sup>	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
6 <sup>th</sup>	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
7 <sup>th</sup>	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
8 <sup>th</sup>	2	Drug uses for respiratory syste expectorants ;mucolytics sedat	Drug uses for respiratory system; expectorants ;mucolytics sedatives	Giving a lecture	Examinations

		;bronchodilators. Drug uses for asthma.	;bronchodilators. Drug uses for asthma.	and using explanations	
9 <sup>th</sup>	2	Introduction ; pharmacokinetics, pharmacodynamics; drug, receptors	Introduction ; pharmacokinetics, pharmacodynamics; drug, receptors	Giving a lecture and using explanations	Examinations
10 <sup>th</sup>	2	Dose; dose estimation: factors effecting dose .dosage form.	Dose; dose estimation: factors effecting dose .dosage form.	Giving a lecture and using explanations	Examinations
11 <sup>th</sup>	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
12 <sup>th</sup>	2	Anti-arrhythmic drugs ; vasodilations heparin, cycle Capron ;drug used s for cholesterol .	Anti-arrhythmic drugs ; vasodilations heparin, cycle Capron ;drug used s for cholesterol .	Giving a lecture and using explanations	Examinations
13 <sup>th</sup>	2	Antihypertensive drugs ; diuretics adrenergic blockers	Antihypertensive drugs ; diuretics adrenergic blockers	Giving a lecture and using explanations	Examinations
14 <sup>th</sup>	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
15 <sup>th</sup>	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

### 299. Course Evaluation

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

### 300. Learning and Teaching Resources

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

301. Course Name:

**Professional Ethics**

302. Course Code:

303. Semester / Year:

Semester first / 2 year					
304. Description Preparation Date:					
1\9\2023					
305. Available Attendance Forms:					
Direct					
306. Number of Credit Hours (Total) / Number of Units (Total)					
2 hour =2 unit					
307. Course administrator's name (mention all, if more than one name)					
Name: wegdan hanon atya Email: wegdan.atyia@atu.edu.iq					
308. Course Objectives					
Identify the basic ethics of professional behavior for workers in medical specialties. Specific objectives:-					
<ul style="list-style-type: none"> <li>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)</li> </ul>					
309. 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			
310. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 <sup>st</sup>	2	Professional behavior - definition - concept - practical applications - relationship between workers and their managers.	Professional behavior - definition - concept - practical applications - relationship between workers and their managers.	Giving a lecture and using explanations	Examinations
2 <sup>nd</sup>	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

<b>3rd</b>	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
<b>4th</b>	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
<b>5th</b>	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
<b>6th</b>	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
<b>7th</b>	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
<b>8th</b>	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
<b>9th</b>	2	Values and their effects on practicing the profession - Definition of values - Classification of values - Nursing and values - Formation of values - Methods of forming values - The impact of growth on acquiring values.	Values and their effects on practicing the profession - Definition of values - Classification of values - Nursing and values - Formation of values - Methods of forming values - The impact of growth on acquiring values.	Giving a lecture and using explanations	Examinations
<b>10th</b>	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
<b>11th</b>	2	Personal and professional	Personal and professional	Giving a lecture	Examinations

		values in nursing - Types of values - Personal values of the nurse - Professional values of the nurse.	values in nursing - Types of values - Personal values of the nurse - Professional values of the nurse.	and using explanations	
<b>12<sup>th</sup></b>	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
<b>13<sup>th</sup></b>	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
<b>14<sup>th</sup></b>	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
<b>15<sup>th</sup></b>	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

### 311. Course Evaluation

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

### 312. Learning and Teaching Resources

Required textbooks (curricular books, if any)	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	

313. Course Name:

**Child growth and development**

314. Course Code:

315. Semester / Year:

Semester first / 2 year

316. Description Preparation Date:



1\9\2023

**317. Available Attendance Forms:**

Direct

**318. Number of Credit Hours (Total) / Number of Units (Total)**

6 hour =6 unit

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

Name: gamin awez abbas

Email: ghanemoaiyz@atu.edu.iq

**320. 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)

**321. 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

**322. 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 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)	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)	Giving a lecture and using explanation s	Examination s
3-4	2	The premature baby :- 1- Definition of premature baby 2- Cause of premature baby 3- Nursing care of premature baby	The premature baby :- 1- Definition of premature baby 2- Cause of premature baby 3- Nursing care of premature baby	Giving a lecture and using explanation	Examination s

		4- Nursing care during the delivery A- Nursing care in incubator . B- Giving oxygen by (incubator , naso tube or mask)	4- Nursing care during the delivery A- Nursing care in incubator . B- Giving oxygen by (incubator , naso tube or mask)	s	
<b>5-6</b>	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 explanations	Examinations
<b>7</b>	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 explanations	Examinations
<b>8</b>	2	The factors of growth and development (Heredity , constructional makeup , Racial & National characteristics A- Sex. B- Prénatal environnement & post natal environ . C- External environnement	The factors of growth and development (Heredity , constructional makeup , Racial & National characteristics A- Sex. B- Prénatal environnement & post natal environ . C- External environnement	Giving a lecture and using explanations	Examinations
<b>9-10</b>	2	The factors of growth and development (Heredity , constructional makeup , Racial & National characteristics A- Sex. B- Prénatal environnement & post natal environ . C- External environnement	The factors of growth and development (Heredity , constructional makeup , Racial & National characteristics A- Sex. B- Prénatal environnement & post natal environ . C- External environnement	Giving a lecture and using explanations	Examinations
<b>11-12</b>	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 explanations	Examinations
<b>13</b>	2	The children care of orphan	The children care of orphan	Giving a lecture and using explanations	Examinations
<b>14-15</b>	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

### 323. Course Evaluation

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

### 324. Learning and Teaching Resources

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