

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



Academic Program and Course Description Guide

2025-2026

Introduction:

The educational program is a coordinated and structured package of courses that include procedures and experiences that are organized in the form of a vocabulary of study whose main purpose is to build and refine the skills of graduates to make them qualified to meet the requirements of the labor market, which is reviewed and evaluated annually through internal or external audit procedures and programs such as the external examiner program.

The description of the academic program provides a brief summary of the main features of the program and its courses, indicating the skills that are being worked on to acquire students based on the objectives of the academic program, and the importance of this description is evident because it represents the cornerstone of obtaining program accreditation and is co-written by the teaching staff under the supervision of the scientific committees in the scientific departments.

This manual, in its second edition, includes a description of the academic program after updating the vocabulary and paragraphs of the previous guide in light of the developments and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (semesteral, yearly), as well as the adoption of the description of the academic program circulated under the letter of the Department of Studies TE3/2906 on 3/5/2023 regarding the programs that adopt the Bologna track as the basis for their work.

In this regard, we can only stress the importance of writing descriptions of academic programs and courses to ensure the smooth functioning of the educational process.

Concepts and Terms:

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

Course Description: It provides a concise summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve and demonstrate whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious vision of the future of the academic program to be a cutting-edge, inspiring, stimulating, realistic and viable program.

Program Mission: Briefly outlines the goals and activities needed to achieve them and outlines the program's development paths and directions.

Program Objectives: These are phrases that describe what the academic program intends to achieve over 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 (semester, yearly, Bologna track), whether they are a requirement (ministry, university, college and scientific department) with the number of study units.

Learning Outcomes: A consistent set of knowledge, skills, and values that the student has acquired after the successful completion of the academic program and must define the learning outcomes of each course in a way that achieves the goals of the program.

Teaching and Learning Strategies: These are the strategies used by the faculty member to develop the student's teaching and learning, and they are plans that are followed to reach the learning goals. That is, describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: Middle Euphrates Technical University

College/Institute: Babylon Institute of Technology

Scientific Department: Department of Nursing

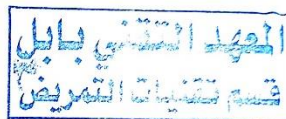
Academic or Professional Program Name: Diploma

Final Certificate Name: Diploma in Nursing Techniques

Academic System: Semester system

Description preparation date: 25-10-2025

File Completion Date: 5-11-2025



Signature:

Scientific Associate Name:

Assist. Prof. Dr. Oras Khudhayer Obayes

Date : 7/1/2026

Signature:

Head of Department Name:
prof. Sawsan Hassan Kadhum

Date: 7/1/2026

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Assist.Prof. Khansaa Azeez Obayes

Date: 7/1/2026

Signature:

Asst. Prof. Dr.

Ali Najah Kadhim
Approval of the Dean

1. Program Vision

Raising the level of health services to cover the needs of the medical labor market in our beloved country and advancing the march of scientific research to keep pace with modern scientific progress.

2. Program Mission

Providing special diagnostic medical science and knowledge through the education and training of distinguished medical staff that employs the nursing techniques acquired to serve the community healthily.

3. Program Objectives

The department aims to graduate technical nursing staff capable of providing nursing care to the individual, family, and the community under the supervision of the doctor in the lobbies.

4. Program Accreditation

The program did not receive accreditation

5. Other External Influences

The graduates of the department serve the community in health institutions and hospitals and through practical application in the Health centers and hospitals during the summer training.

6. Program Structure

Notes*	Percentage	Study Unit	Number of Courses	Program Structure
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Basic	11.29%	14	7	Enterprise Requirements
Basic	6.45%	8	3	College Requirements
Basic	82.25%	102	22	Department Requirements
In the first stage only	There isn't any	Fulfilled only	Exist	Summer Training
–	There isn't any	There isn't any	There isn't any	Other

* Feedback can be included in whether the course is basic, helpful, or general.

7. Program Description				
Credit Hours		Course or course name	Course or course code	Year/Level
practical	theoretical			
4	2	Fundamental of Nursing	ONLY111-24-CM	Phase I/F1
4	2	Medical Nursing	ONLY112-24-CM	Phase I/F1
2	2	Anatomy	ONLY113-24-CM	Phase I/F1
2	2	Microbiology	ONLY114-24-CM	Phase I/F1
2	2	Biochemistry	ONLY115-24-CM	Phase I/F1
	2	Medical Terminology	ONLY116-24-CM	Phase I/F1
	2	Human Rights and Democracy	ATU117-24-CM	Phase I/F1
1	1	Computer Applications	ATU118-24-CM	Phase I/F1

	2	English language	ATU119-24-CM	Phase I/F2
	2	Arabic Language	ATU1110-24-CM	Phase I/F2
	2	Statistics	ATU126-24-CM	Phase I/F2
4	2	Health Assessment	ONLY121-24-CM	Phase I / F2
4	2	Surgical Nursing	NUR122-24-CM	Phase I / F2
2	2	Physiology	ONLY123-24-CM	Phase I / F2
2	2	Medical virology and parasitology	ONLY124-24-CM	Phase I / F2
2	2	Clinical Chemistry	ONLY125-24-CM	Phase I / F2
4	2	Maternity Nursing	NUR211-24-CM	Phase II / F1
4	2	Principles of Psychiatric Nursing	ONLY214-24-CM	Phase II / F1
4	2	Primary Health Care	NUR213-24-CM	Phase II / F1
4	2	Child Growth and Development	NUR212-24-CM	Phase II / F1
	2	Arabic Language	NUR228-24-CM	Phase II / F1
	2	Research methods	NUR217-24-CM	Phase II / F1
	2	Pharmacology	NUR215-24-CM	Phase II / F1
	2	Ethics	NUR216-24-CM	Phase II / F1
4	2	Obstetric Nursing	NUR221-24-CM	Phase II / F2
4	2	Pediatric diseases	ONLY222-24-CM	Phase II / F2
4	2	Community Health Services	NUR223-24-CM	Phase II / F2

4	2	Psychiatric Mental Health Nursing	ONLY224-24-CM	Phase II / F2
	2	Nutrition and Therapeutic Nutrition	ONLY225-24-CM	Phase II / F2
	2	Proposal	ONLY226-24-CM	Phase II / F2
1	1	Computer and Artificial Intelligence	ATU227-24-CM	Phase II / F2
	2	The crimes of the Baath regime in Iraq	ATU218-24-CM	Phase II / F2

8. Expected Learning Outcomes of the Program	
Knowledge	
A1. Describe the basic concepts of the nursing department, disease patterns, risk factors, and methods of prevention and epidemic control. A2. Clarifies the basic principles of the supporting medical sciences related to the Department of Nursing (anatomy, microbiology, organ functions, biochemistry) A3. Explain the basics of nursing, health risk management, and the principles of quality and patient safety. A4. Define health laws, professional instructions, ethics and human values regulating health work.	Cognitive Goals
Skills	
B1. Applies health screening procedures, field surveys, and data collection and analysis techniques. B2. Uses basic health and laboratory devices, computer applications, health software, and technical devices necessary to work efficiently and safely. B3. Implements health education programs and awareness campaigns, prepares health reports and discusses their results.	Skills Objectives for the Program

B4. Analyzes health problems, deals with minor emergencies, proposes practical solutions, and works effectively in a team spirit in health centers, hospitals, college laboratories or institutes.	
Values	
A1 - Adheres to professional values and health work ethics and maintains confidentiality of information and patient privacy A2 - Works collaboratively and respectfully within a multidisciplinary team and demonstrates professional behavior in the field and laboratory A3- Takes responsibility for performing health and field tasks accurately and adherently, and observes the rules of safety, quality and continuous improvement A4- Demonstrates a willingness to continuously learn and develop professional skills in the field of nursing after graduation	Emotional goals and values

9. Teaching and Learning Strategies

1. **Theoretical Lecture Method** (The teacher explains the subject using a screen to view the lecture in addition to some explanatory videos, drawings and pictures)
2. **Practical lecture method** (the teaching staff and the technical staff of the laboratory explain the method of examination and analysis and the method of using devices and tools through direct practical application in front of the students, and then the students will do it by the teaching and technical staff of the laboratory with the explanation of the correct procedure for work)
3. **Weekly Reports**
4. **Discussion and Dialogue Method**
5. **Summer Training**

10. Evaluation Methods

Daily preparation

Research and Reporting

Daily Exams (Quizzes)

Final Exams (Bubble Sheet)

11. Faculty

Faculty Members

Preparing the teaching staff		Special requirements/skills (if applicable)		Specialization		Academic Rank
Lecturer	Angel			Special	General	
	1			Biochemistry	Chemistry	Professor
	1			Medications and toxins	Veterinary medicine	Professor
	1			Arabic language	Arabic language	Teacher
	1			Community Health	Community Health	Teacher
	1			Adult Nursing	Nursing	Assistant Lecturer
	3			Microbiology	Life Sciences	Assistant Lecturer
	1			Anatomy and histology	Veterinary medicine	Assistant Lecturer
	1			Computers	Computer Science	Assistant Lecturer
	2			English Literature	English	Assistant Lecturer

	1			Animal Production	Agriculture	Assistant Lecturer
	1			Microbiology	Agriculture	Assistant Lecturer
	1			Embryos	Life Sciences	Assistant Lecturer
	1			Psychology	Education	Assistant Lecturer
	1			Criminal	Law	Assistant Lecturer
	1			Biochemistry	Chemistry	Assistant Lecturer

Professional Development

Mentoring new faculty members

New members of the department are developed by entering teaching methods courses and are given a teaching competency test, as well as holding training courses, seminars and workshops to train them in the approved work contexts.

Faculty Professional Development

Faculty members are developed by holding training courses, seminars, and workshops to train them in approved work contexts

12. Admission Criteria

Central Admission at the Ministry of Higher Education and Scientific Research

13. Key sources of information about the program

- 1– Methodological Books
- 2– Supporting Sources
- 3– General Sources
- 4. Internet

14. Program Development Plan

One of the future plans is to develop the laboratories of the Department of Nursing Technologies as well as to develop the curriculum by deleting, adding and replacing

Program Skills Outline															
Learning Outcomes Required from the Program															
Values				Skills				Knowledge				Basic or Auxilia ry or Gener al	Cours e Name	Cours e Code	Year /Lev el
C 4	C 3	C 2	A 1	B 4	B 3	B 2	B 1	A 4	A 3	A 2	A 1				
√	√		√	√	√		√	√	√		√	Essent ial	Funda ment als of Nursi ng	ONLY 111-24-CM	Phas e I
√	√		√	√			√	√	√		√	basic	Medic al Nursi ng	ONLY 112-24-CM	
√			√	√	√	√		√		√	√	Help	Anato my	ONLY 113-24-CM	Phas e I
√		√	√		√		√	√		√	√	Help	Micro biolog y	ONLY 114-24-CM	Phas e I
√	√		√		√		√	√	√		√	basic	Healt h Asses sment	ONLY 121-24-CM	Phas e I
√	√		√	√			√	√	√		√	basic	Surgic al Nursi ng	NUR1 22-24-CM	
√			√	√	√	√		√		√	√	Help	Physi ology	ONLY 123-24-CM	Phas e I
√		√	√		√		√	√	√		√	Help	Medic inal virolo gy and parasi tology	ONLY 124-24-CM	

√	√		√		√		√	√		√	√	Help	Biochemistry	ONLY 115-24-CM	Phase I
√	√		√		√		√	√		√	√	Help	Clinical Chemistry	ONLY 125-24-CM	
√		√						√				General	Human Rights and Democracy	ATU1 17-24-CM	
√		√						√			√	Help	Medical Terminology	ONLY 116-24-CM	
√	√	√	√				√					General	Computer Applications	ATU1 18-24-CM	Phase I
												General	Arabic Language	ATU1 110-24-CM	Phase I
								√			√	General	English Language	ATU1 19-24-CM	Phase I
	√		√	√			√	√			√	Help	Biostatic	NUR1 26-24-CM	Phase I
√	√		√		√		√	√	√		√	basic	Maternity Nursing	NUR2 11-24-CM	Phase II
√	√		√		√		√	√	√		√	Basic	child Growth and development	NUR2 12-24-CM	Phase II
√	√		√		√		√	√	√		√	Basic	Primary	NUR2 13-24-CM	Phase II

														health care		
√	√		√		√		√	√	√		√	Basic	Principles of Psychiatric Nursing	NUR2 13-24-CM	Phase II	
√	√		√		√		√	√			√	Help	Pharmacology	NUR2 15-24-CM	Phase II	
√	√	√						√	√	√	√	Help	Ethics	NUR2 16-24-CM	Phase II	
√	√			√	√			√	√		√	Help	Search methods	NUR2 17-24-CM	Phase II	
√	√		√		√		√	√	√		√	Basic	Obstetric Nursing	NUR2 21-24-CM	Phase II	
√	√		√		√		√	√	√		√	Basic	Pediatric Nursing	ONLY 222-24-CM	Phase II	
√	√		√	√	√		√	√	√		√	Basic	Community Health Services	NUR2 23-24-CM	Phase II	
√	√	√	√	√	√	√	√	√	√	√	√	Basic	Psychiatric and Mental Health Nursing	ONLY 224-24-CM	Phase II	
√	√	√	√	√	√		√				√	√	Help	Nutrition and Thera	ONLY 225-24-CM	Phase II

														peutic Nutrit ion		
√	√			√	√			√	√		√	Help	Propo sal	ONLY 226- 24-CM	Phas e II	
√	√	√	√			√						Gener al	Comp uter and Artific ial Intelli gence	ATU2 27- 24-CM	Phas e II	
												Gener al	Arabi c Langu age	ATU2 28- 24-CM	Phas e II	
			√					√				Gener al	Crime s of the Baath Party regim e in Iraq	ATU2 18- 24-CM	Phas e II	

- Please indicate the boxes corresponding to the individual learning outcomes from the program being evaluated

Course Description Form

1. Course Name	
Fundamentals of Nursing	
2. Course Code	
ONLY111-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 90 / Number of Units (Total): 6	
7. Course administrator name (if more than one name mentioned)	
Name: Salah Saeed Hashem Email: salah.hashim.iba@atu.edu.iq	
8. Course Objectives	
Course Objectives	1. Definition of nursing, nurse, and chronic and acute diseases. 2. Understand the roles and functions of the nurse in patient care and the importance of health promotion. 3. Measure vital signs, temperature, breathing, blood pressure, and how to document nursing care. 3. Apply clinical examination of patients and basic rules of PPE and infection prevention. 4. Implementation of nursing procedures: evaluation, diagnosis, nursing, application and evaluation of nursing procedures
9. Teaching and Learning Strategies	

Strategy	Theoretical Lecture Strategy: It relies on explaining knowledge and information directly. From teacher to student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.
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6. Course Structure

The week	Weeks	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student should be familiar with the basics of nursing and some hospital terminology	Definitions of Nursing, Health, Hospital, Illness and the Nurse's Role in the Hospital	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2nd	2	The student should recognize the patient's tympanum	Patient admission and discharge	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3rd	2	The student should be familiar with vital signs such as pressure, temperature, pulse, and breathing and methods of measuring them	Vital signs	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

4th	2	The student should be familiar with the methods of giving the treatment	Ways of administering drug	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	2	The student should be familiar with the methods and types of intravenous fluids	Intravenous fluids	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th	2	The student should be familiar with the types of bandages and wounds	Bandages	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	2	The student should be familiar with wounds, their types, and the methods of sewing.	Wounds and their types Sewing Methods	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8th	2	Factors Affecting Wound Healing	How to heal wounds	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9th		The student should be able to sew and its types and basics	Sewing and its types	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9th	2	The student should learn about the patient's postures	Patient positions	theoretical	Daily preparation Daily exams

					(Cups) Bubble Sheet Exams
11th	2	The student should to know Sterilization and disinfection methods	Sterilization and Disinfection	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12th	2	The student should be able to distinguish between the types of clinical sores, their stages, and methods of prevention.	Bedsore	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
13th	2	The student should be familiar with the methods of giving oxygen	Breathing	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14th	2	The student should be familiar with the nasogastric tube	Nutrition	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15th	2	The student should be able to know urinary catheterization	Directing	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
The week	Number of hours	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	4	The student should be familiar with the basics of	Definitions of Nursing, Health, Hospital,	Practical	Daily preparation Daily exams

		nursing and some hospital terminology	Illness and the Nurse's Role in the Hospital		(Cups) Bubble Sheet Exams
2nd	4	The student should recognize the patient's tympanum	Admission and discharge of the patient from hospital	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3rd	4	The student should be familiar with the measurement of vital signs such as pressure, temperature, pulse, and breathing and methods of measuring them.	Vital signs	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
4th	4	The student should be familiar with the methods of administering the drug.	Ways of administering treatment	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	4	The student should be familiar with the methods and types of intravenous fluids	Intravenous fluids	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th	4	The student should be able to distinguish between bandages and wounds	Wounds and bandages	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	4	The student should be familiar with wounds, their	Wounds	Practical	Daily preparation Daily exams

		types, and the methods of sewing.			(Cups) Bubble Sheet Exams
8th	4	The student should be familiar with the factors affecting wound healing	How to heal wounds	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9th	4	The student should get acquainted with sewing, its types and basics	Sewing and its types	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9th	4	The student should be able to know the patient's positions	Patient positions	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11th	4	The student should be able to distinguish between sterilization and purification	Sterilization and Disinfection	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12th	4	The student should be familiar with clinical sores and their stages and ways to prevent them	Bedsore	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
13th	4	The student should be familiar with the methods of giving oxygen	Breathing	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

14th	4	The student should be familiar with the nasogastric tube	Nutrition	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15th	4	The student should be familiar with how to perform urinary catheterization	Directing	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

7. Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam

8. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Advanced Assessment Interpretation of Results and Formulation of Differential Diagnosis Third Edition
Main Reference (s)	Fundamentals of Nursing Standard and Practices Fourth Edition
Recommended books and references (scientific journals, reports...)	As a minister and father the basics nursing concepts Practice and Practice Tenth Edition
References, Websites	Lipin Cote Handy Guide to Nursing Practices Ninth Edition

Course Description Form

1. Course Name	
Health Assessment	
2. Course Code	
ONLY121-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 90 / Number of Units (Total): 6	
7. Course administrator name (if more than one name mentioned)	
Name: Salah Saeed Hashem Email: salah.hashim.iba@atu.edu.iq	
8. Course Objectives	
Course Objectives	- Describe the components of a health history.1 - Apply interview skills and techniques for a successful interview. -2 - Assess the patient's overall health status. -3 4. Using various tools and techniques to measure and collect information (interview, observation, listening, physical examination, review of records and diagnostic test results). 5- Explain the sequence of methodology used in the physical examination of the body's systems. 6 - Explain the basic techniques of physical examination. 7- Describe the techniques of physical examination, which are: examination, palpation, percussion, and listening.

	8- Identify common instruments used during the physical examination.
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9. Teaching and Learning Strategies

Strategy	Theoretical Lecture Strategy: It relies on explaining knowledge and information directly. From the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.
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10. Course Structure

The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st& 2nd	2	The student should be familiar with the basics of health assessment	Introduction and Overview of Health Assessment: - General appearance, personal hygiene, appearance care, dressing,	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

			- Body posture and gestures, speech pattern, spatial orientation		
3rd & 4th	2	The student should be able to assess the skin, hair, and nails	Covering system (skin, hair, nails)	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	2	The student should be familiar with the head and neck examination	Head and neck exam	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th	2	The student should be familiar with the respiratory examination	Respiratory Assessment	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	2	The student should be able to examine the cardiovascular system	Cardiovascular System Assessment	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8th	2	The student should be able to assess the perimeter	Peripheral Assessment	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

9th	2	The student should be able to assess the digestive system	Abdominal Evaluation	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
10th & 11th	2	The student should be able to assess the nervous system	Nervous System Assessment	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12th & 13th	2	The student should get to know the muscular system Structural	Musculoskeletal Assessment	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14th	2	The student should be familiar with the reproductive system	Evaluation of the reproductive system	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15th	2	The student should be able to perform laboratory tests	Laboratory tests	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
The week	Number of hours	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	4	The student should be familiar	- Introduction to Health Assessment:	Practical	Daily preparation Daily exams

		with assessment methods, interviewing, and occupational health patterns.	(Self-assessment and objectivity) Data collection. Assessment, Interview and health history. Patterns of Functional Health (Katz, Independence Index, Gordon).		(Cups) Bubble Sheet Exams
2nd	4	The student should learn how to prepare the patient and prepare the equipment.	The role of the nurse: Self-preparation - Patient preparation Equipment Preparation - Preparing the Environment	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3rd	4	The student should be familiar with physical examination techniques	Physical examination techniques: Inspection, confinement, percussion, auscultation	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
4th	4	The student should be able to assess the skin, hair, and nails	Evaluation of the capping system: Skin Assessment, Hair Assessment and nails,	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th & 6th	4	The student should be able to assess the head and neck	Head and Neck Assessment: Eyes, Ears, Nose and Sinuses, Mouth, Thyroid	Practical Lessons	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	4	The student	Lymph nodes – blood vessels	Practical	Daily preparation

		should be familiar with the types of lymph nodes	- Muscles - cervical vertebrae For Head & Neck		Daily exams (Cups) Bubble Sheet Exams
8th	4	The student should be able to evaluate the chest and lungs	Chest and Lung Assessment	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9th	4	The student should be able to assess the cardiovascular system	Cardiovascular Assessment	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
10th	4	The student should be able to evaluate the blood vessels	Peripheral vascular evaluation	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11th	4	The student should be able to assess the abdomen	Abdominal Evaluation	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12th	4	The student should be able to assess the musculoskeletal system	Cardiac Muscular System Assessment	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

13th	4	The student should be able to assess the nervous system	Nervous System Assessment	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14th	4	The student should be able to assess the reproductive system	Evaluation of the male and female reproductive systems	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15th	4	The student should be able to perform laboratory tests	Laboratory tests	Practical Lessons	Daily preparation Daily exams (Cups) Bubble Sheet Exams

11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Advanced Evaluation Interpretation of Results and Formulation Differential Diagnosis Third Edition
Main Reference (s)	Fundamentals of Nursing Standards and Practices Fourth Edition
Recommended books and references (scientific journals, reports...)	As a minister and father the basics nursing concepts Practice and Practice Tenth Edition
References, Websites	Lipin Cote Handy Guide to Nursing Practices Ninth Edition

Course Description Form

1. Course Name	
Internal Nursing	
2. Course Code	
ONLY112-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 90 / Number of Units (Total): 6	
7. Course administrator name (if more than one name mentioned)	
Name: Aleem Merdas Khudair Al-Nuaimi Email: Inb.alm@atu.edu.iq	
8. Course Objectives	
Course Objectives	1- The student will be able to learn general information about medical diseases and how to provide nursing care to the patient. 2- Learn about the mechanism of diseases, their causes and risk factors, clinical signs, how to reduce complications, and pathogens. 3- Patient responsibilities and nursing care delivery. 4- Providing health counseling and education to patients.
9. Teaching and Learning Strategies	

Strategy	❖ Theoretical Lecture Strategy: It relies on explaining knowledge and information directly. From teacher to student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.
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10. Course Structure

The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student must distinguish between health and illness	The Concept of Health and Disease	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2nd	2	1. The student should be familiar with the cardiovascular system. 2. The student should be familiar with the physical assessment and cardiovascular diseases	Cardiovascular	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

3rd	2	1. The student should be familiar with myocardial infarction, causes, signs, symptoms and diagnosis. 2. The student should learn about the nursing intervention for testing and treatment.	Myocardial infarction	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
4th	2	1- The student should be familiar with the heart muscle, shortness of breath, and signs of right and left heart failure.	Heart failure	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	2	1. The student should be familiar with respiratory disorders / chronic obstructive pulmonary embolism Chronic bronchitis/disease. 2. The student should be familiar with the causes/signs and symptoms.	Respiratory disorders	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

6th	2	1. The student should be familiar with neurological disorders/stroke (C.V.A.). 2. The student should be familiar with the signs, symptoms , treatment, and nursing care.	Neurological disorders	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	2	1. The student should be familiar with the endocrine system. 2. Learn the physical, evaluation, and diagnostic tests.	Endocrinology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8th	2	1. The student should be familiar with viral hepatitis, its types, causes and symptoms. 2. The student should learn about prevention and treatment methods.	Viral hepatitis	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9th		1. The student should learn about pancreatitis, 2. The student should learn about the methods of prevention,	Pancreatitis	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

		symptoms, and treatment.			
10th	2	1. The student should be familiar with blood diseases , types of anemia, its causes and symptoms. 2- The student should be familiar with the methods of prevention, treatment, and nursing care.	Hematology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11th	2	1. The student should get to know On Hematology Leukemia is its types and causes. 2. The student should learn Ways Nursing Care and treatment methods.	Leukemia Diseases	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12th	2	1. The student should know the renal system and the urinary tract. 2. The student should learn on the physical assessment and diagnosis.	Renal and urinary tract	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

		Examinations and kidney stones. 3. The student should distinguish between causes , signs, symptoms, and types of urinary tract.			
13th	2	1. The student should be familiar with chronic kidney failure. 2. The student should distinguish between causes, diagnosis, treatment, and nursing care methods .	Chronic kidney failure	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14th	2	1. The student should be familiar with immune disorders/acquired immunodeficiency syndrome (AIDS). 2. The student should distinguish between signs and symptoms , treatment, and nursing care methods .	Acquired immunodeficiency syndrome	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

15th	2	1. The student should learn about the basics of cancer, the main risk factors, and cancer screening. 2. The student should distinguish the warning signs , types of tumors, and tumor stages and grades.	Introduction to the Basics of Cancer	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
The week	Number of hours	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	4	1. The student should get acquainted with the hospital's departments and patient units.	Guidance for hospital departments and patient units	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2nd	4	The student should be familiar with the nursing care process and the nursing care plan	Patient Nursing Care	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3rd	4	The student should learn common diagnostic test methods and nursing procedures in the hospital	Hospital Nursing Procedures	Practical	Daily preparation Daily exams (Cups) Bubble

					Sheet Exams
4th	4	1. The student should learn about the training methods in the Cardiac Resuscitation Unit 2. The student should learn about the nursing care for cardiovascular diseases and the intensive care of cardiology.	Cardiac Resuscitation U	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	4	The student should learn the methods of nursing care for patients with myocardial infarction.	Nursing care for myocardial infarction patients	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th	4	The student should learn about the methods of training in the intensive care unit and the evaluation of the patient's neurological status.	Resuscitation	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	4	The student should be familiar with the methods of nursing intervention for	Unconscious	Practical	Daily preparation Daily exams (Cups) Bubble

		unconscious patients - and the evaluation of the Glasgow score			Sheet Exams
8th	4	1. The student should learn about the methods of nursing care for patients at R.C.U. 2 – The student should be familiar with the review of how to evaluate the respiratory system and the patient's circumstances.	How to Assess the Respiratory System	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9th	4	1. The student should learn about the methods of nursing care for endocrine diseases. Nursing care for diabetic patients and how Insulin Management	Nursing care for diabetics and insulin administration	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
10th	4	1. The student should learn the methods of training in the urology halls. 2. The student should learn the methods of caring for	Urology	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

		urinary tract diseases, renal colic and caring for Urinary tract stones.			
11th	4	The student learn on Ways of care Nursing For Inflammatory Patients Hepatitis C	Hepatitis C	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12th	4	The student should be introduced to the nursing of hematology - anemia	Hematology - Anemia	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
13th	4	The student should learn about nursing, leukemia, acute and chronic hematology – and nursing care.	Leukemia	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14th	4	The student should be familiar with the blood draw process	Nursing care for blood draws during operation device. Release of complications of blood draw that occur during blood draw-recommendations after blood draw.	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15th	4	The student should learn	Nursing Care for Liver Disease	Practical	Daily preparation

		nursing care methods for liver and gallbladder diseases - nursing care for acute and chronic cholecystitis.			Daily exams (Cups) Bubble Sheet Exams
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11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Weir Hughes, D. (2009). Nursing Diagnostics in Management at Herdman, TH (Ed.), Nursing Diagnostics: Definitions and Classification 2009-2011. Wiley B. Cowell: Singapore
Main Reference (s)	Brookle, J. & C. Heath (2009). The value of nursing diagnosis in Electronic Health Records.
Recommended books and references (scientific journals, reports...)	Nursing Workforce 2001". Health Workforce Series National Affiliated with the Australian Institute of Health and .Social Welfare 2003.
References, Websites	Registration and Authentication Nursing and Midwifery Council Australia.

Course Description Form

1. Course Name	
Surgical Nursing	
2. Course Code	
NUR122-24-CM	
3. Semester/Year	
Semester 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 90 / Number of Units (Total): 6	
7. Course administrator name (if more than one name mentioned)	
Name: Aleem Merdas Khudair Al-Nuaimi Email: Inb.alm@atu.edu.iq	
8. Course Objectives	
Course Objectives	1- The student will be able to learn general information about surgical diseases and how to provide nursing care to the patient. 2- Recognize the responsibility of surgical nursing, complications, and how to reduce and control them. 3- Patient responsibilities before and after surgery. 4- Disease health counseling and education.
9. Teaching and Learning Strategies	

Strategy	❖ Theoretical Lecture Strategy: It relies on explaining knowledge and information directly. From teacher to student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.
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10. Course Structure

The week	Weeks	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student should be familiar with surgical terminology	A common abbreviation in surgery, hospitalization, surgical terms.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2nd	2	The student should learn about the methods of nursing intervention in the perioperative period for the patient.	Surgery for the patient	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3rd	2	The student should be familiar with the surgical management of cardiovascular and coronary diseases	Surgical Management of Cardiology	theoretical	Daily preparation Daily exams (Cups) Bubble

					Sheet Exams
4th	2	The student should be familiar with the diagnostic procedures in cystoscopy	Diagnostic Procedures: Cystoscopy, Biopsy, Nephrological Angiography, Identification/Purpose /Intervention Responsibility Before After the procedure.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	2	The student should get to know the digestive system	Gastroenterology/Physical Assessment and Diagnostic Tests and appendicitis. Its causes, physiological symptoms , and preparation for appendectomy.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th	2	The student should be familiar with the signs and symptoms of intestinal obstruction	Signs and symptoms of intestinal obstruction. Treatment methods and nursing care	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	2	The student should learn on a dialysis machine.	Dialysis	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8th	2	The student should learn about peritoneal dialysis, complications, and	Peritoneal dialysis	theoretical	Daily preparation Daily exams

		nursing care methods.			(Cups) Bubble Sheet Exams
9th		1. The student should learn about kidney transplantation and the definition of nursing intervention before surgery. 2. The student should learn about nursing care methods after surgery.	Kidney transplant	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
10th	2	1. The student should distinguish between hernias and their types. 2. The student should learn about the signs , symptoms , treatment, and methods of nursing care.	Hernias and nursing care methods	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11th	2	The student should to know Types of fractures.	Fractures / Types / Causes / Treatment and Nursing Intervention	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12th	2	The student should be familiar with amputation , its types, causes, treatment and	Amputation and Nursing Intervention	theoretical	Daily preparation Daily exams

		nursing intervention.			(Cups) Bubble Sheet Exams
13th	2	The student should be familiar with diabetic foot, causes, signs, symptoms, treatment , and nursing care methods.	Diabetic foot	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14th	2	The student should learn the methods of thyroidectomy	Thyroidectomy and nursing care methods before and after surgeries	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15th	2	The student should learn about the methods of chemotherapy administration and side effects	Chemotherapy	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
The week	Number of hours	Learning method required	Unit Name or Subject	Learning method	Evaluation Method
1st	4	The student should be familiar with the types of surgeries	Training in Operations Situations – Handwashing Training and Wearing a bra and gloves – training to handle surgical instruments.	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2nd	4	Training the student on methods	Training in preparing the patient for surgery,	Practical	Daily preparation

		of administering intravenous fluids	training in extracting secretions, administering intravenous solutions, giving blood.		Daily exams (Cups) Bubble Sheet Exams
3rd	4	The student should be familiar with how to perform arterial catheterization	Coronary Artery Catheterization and Nursing Management	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
4th	4	The student should learn about diagnostic procedures in cystoscopy and renal angiography.	Training in the operating rooms to identify diagnostic procedures: (Cystoscopy, biopsy, and renal angiography)	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	4	The student should learn about nursing intervention and how to prepare for appendectomy	Appendix	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th	4	The student should learn how to administer IV solutions.	Administration of intravenous solutions.	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	4	The student should be familiar with the training in the	Peritoneal dialysis	Practical	Daily preparation

		dialysis halls of patients receiving peritoneal dialysis.			Daily exams (Cups) Bubble Sheet Exams
8th	4	The student should be familiar with the training in the dialysis lobbies.	Dialysis	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9th	4	The student should learn about kidney transplantation	Training in Kidney Transplant Halls - Nursing Care Before Kidney Transplantation - For Kidney Donor Before Kidney Transplant - For Patient After Kidney Transplant. Transplantation - for the donor after kidney transplant - monitoring the patient's condition in case of any complications after kidney transplant	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
10th	4	The student should be familiar with the methods of nursing intervention and education in hernia cases.	Health education in cases of hernia	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11th	4	The student should know Types of fractures	Training on fracture lobbies	Practical	Daily preparation

			- Nursing care for orthopedic joint disease		Daily exams (Cups) Bubble Sheet Exams
12th	4	The student should be familiar with the training in the fracture halls for amputation treatment and nursing education.	Nursing Education for Amputation Treatment	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
13th	4	The student should be familiar with the methods of nursing intervention for diabetic foot patients.	Diabetic foot	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14th	4	The student should be familiar with thyroidectomy	Pre-thyroidectomy nursing intervention / Preoperative nursing intervention / Post-complication nursing care	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15th	4	The student should be familiar with the methods of administering chemotherapy	Nursing care before and after chemotherapy is given .	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Weir Hughes, D. (2009). Nursing Diagnostics in Management at Herdman, TH (Ed.), Nursing Diagnostics: Definitions and Classification 2009-2011. Wiley Blackwell: Singapore
Main Reference (s)	Brookle, J. & C. Heath (2009). The value of nursing diagnosis in Electronic Health Records.
Recommended books and references (scientific journals, reports...)	Nursing Workforce 2001". Health Workforce Series National Affiliate of the Australia Institute of Health and Social Welfare.2003.
References, Websites	Registration and Authentication Nursing and Midwifery Council Australia.

Course Description Form

1. Course Name	
Medical Terminology	
2. Course Code	
ONLY116-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 30 / Number of Units (Total): 2	
7. Course administrator name (if more than one name mentioned)	
Name: Eng. Mariam Sadiq Abayes @ maryam.Obayes@atu.edu.iq	
8. Course Objectives	
Course Objectives	1) Develop a basic understanding of medical terminology: This includes understanding the building blocks of medical terms, such as word roots, prefixes, and suffixes, and how to combine them to form meaningful words. 2) Define and define common medical terms 3) Differentiate between similar terms in sound 4) Analysis of unfamiliar medical terms 5) Linking medical terms to different body systems 6) Applying Medical Terminology to Real-Life Scenarios 7) Spelling and pronouncing medical terms correctly 8) Use medical abbreviations and abbreviations appropriately

9) Develop research skills to find reliable medical information

9. Teaching and Learning Strategies

Strategy	❖ Theoretical Lecture Strategy: It is based on explaining knowledge and information in a way Direct from the teacher to the student. ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.
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10. Course Structure

The week	Number of hours	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student should be familiar with the definition of medical terms, and determine the history of medical terms.	Introduction to Medical Terminology	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
2nd	2	The student should be familiar with the basic elements of the medical word, examples of word roots, plural forms.	Basic Elements of Terminology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3rd	2	The student should be familiar with	Prefixes and suffixes	theoretical	Daily preparation

		common prefixes and suffixes			Daily exams (Cups) Bubble Sheet Exams
4th	2	The student should be familiar with the anatomy and functions of the body parts.	Study of the anatomy and functions of body parts	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	2	The student should be familiar with the anatomical position, body levels and body cavities	Body position and cavity	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th	2	The student should be familiar with clinical procedures and diagnostic radiology.	Diagnostic procedures	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	2	The student should be familiar with the terminology of the digestive system	Gastrointestinal Terminology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8th	2	The student should be familiar with	Integrative device terminology such as skin	theoretical	Daily preparation

		the parts of the integrative system such as the skin			Daily exams (Cups) Bubble Sheet Exams
9th	2	The student should be familiar with the terminology of the musculoskeletal system	Musculoskeletal Terminology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9th	2	The student should be familiar with the terminology of the reproductive system	Reproductive System Terminology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11th	2	The student should be familiar with respiratory terminology	Respiratory Terminology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12th	2	The student should be familiar with the terminology of the urinary system	Urinary Terminology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
13th	2	The student should be familiar with	Cardiovascular Terminology	theoretical	Daily preparation

		the terminology of the cardiovascular system.			Daily exams (Cups) Bubble Sheet Exams
14th	2	The student should be familiar with the blood , lymph and immune system	Immune System Terminology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15th	2	The student should be familiar with the terminology of the nervous system	Nervous System Terminology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

11.Course Evaluation

The evaluation method is as follows: 30% for the pursuit and 70% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	1. Medical Terminology: The Systems Method, by Barbara Cohen
Main Reference (s)	The Language of Medicine, Patri Ann Ehrlich and Carol Schroeder
Recommended books and references (scientific journals, reports...)	Medical Terminology in Arabic
References, Websites	Glossary of Medical Terms

Course Description Form

1. Course Name	
Member Functions	
2. Course Code	
ONLY123-24-CM	
3. Semester/Year	
Semester 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Units (Total)	
Number of Hours (Total): 60 / Number of Units (Total): 4	
7. Course administrator name (if more than one name mentioned)	
Name: Rabab Adnan Hamza Email : rabab.hamza@atu.edu.iq :	
8. Course Objectives	
Course Objectives	General Objectives: - To be able to understand the benefits of physiological processes in human nursing. Special Objectives: - The student should be able to know: 1. Different body organs. 2. The various body functions and physiological processes that occur within the human body. 3. Devices used in measurement and physiology. 4. How to use them in measurement devices and physiology.
9. Teaching and Learning Strategies	

Strategy	❖ Theoretical Lecture Strategy: It is based on explaining knowledge and information in a way Direct from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.
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10. Course Structure

The week	Watch es	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student should be familiar with physiology	Introduction to Physiology: General Physiology	theoretical	Preparation Daily Daily exams (Quizzes) Bubble Sheet Exams
2nd	2	The student should be familiar with the physiology of the cell membrane	Cell membrane physiology: transport of substances across the cell membrane, membrane potential, and action potential.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
3rd	2	The student should be familiar with the	Skeletal muscle contraction and skeletal muscle diastole	theoretical	Daily preparation n

		types of skeletal muscles			Daily exams (KOs) Bubble Sheet Exams
4th	2	The student should be familiar with smooth muscles	Contraction and diastole of smooth muscles	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
5th	2	The student should be familiar with the physiology of the heart muscle.	Physiology of the heart muscle as a pump and function of heart valves	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
6th	2	The student should be familiar with the normal electrocardiogram	Electrocardiogram	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
7th	2	The student should be familiar with the types of blood cells and their clotting	Blood cells , immunity, and blood clotting	theoretical	Daily preparation Daily exams (KOs)

					Bubble Sheet Exams
8th	2	The student should get to know the body fluids	Body fluid chambers: Fluids outside and inside cells. Interstitial fluid and edema	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
9th	2	The student should be familiar with the parts of the urinary system	Renal urination and glomerular filtration processes, renal blood flow and tubular therapy for glomerular filtration and control	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
9th	2	The student should be familiar with the acid-base balance	Regulation of acid-base balance	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
11th	2	The student should be familiar with the respiratory system	Respiratory Physiology	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

12th	2	The student should be familiar with the physiology of the nervous system	Physiology of the nervous system: general principles and sensory physiology	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
13th	2	The student should be familiar with the functions of the digestive system	Gastrointestinal physiology	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
14th	2	The student should be familiar with metabolic processes	Metabolism and temperature regulation	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
15th	2	The student should be familiar with the types of endocrine glands and reproduction	Endocrine physiology	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
The week	Number of hours	Learning method required	Unit Name or Subject	Learning method	Evaluation Method

1st	2	The student should be familiar with the use of the compound microscope	Practical Lessons on Compound Microscopy	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams
2nd	2	The student should learn to collect blood samples (intravenous and hairy)	Collect actual blood samples and apply safety measures	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams
3rd	2	The student should learn to count red blood cells (blood cell counting)	Red Blood Cell Count Using a Blood Cell Counter	Practical	Daily preparation n Daily exams Bubble Sheet Exams
4th	2	The student should learn to count white blood cells (blood cell counting)	White Blood Cell Count Using a Blood Cell Counter	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams
5th	2	The student should learn about the fresh blood test: Prepare a blood drop and prepare	Prepare a blood drop and prepare a terminal blood swab and examine it under a microscope	Practical	Daily preparation n Daily exams (KOs)

		a terminal blood swab			Bubble Sheet Exams
6th	2	The student should learn to measure the concentration of hemoglobin in the blood	Measurement of hemoglobin concentration in the blood	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams
7th	2	The student should learn hematocrit measurement (the percentage of red blood cell volume)	Measuring the percentage of red blood cells in your blood	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams
8th	2	The student should learn to dye a terminal blood swab and count differential white blood cells	Terminal blood swab dyeing and counting different white blood cell types	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams
9th	2	The student should learn to measure the rate of erythrocyte deposition	Measurement of erythrocyte sedimentation rate	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams

10th	2	The student should be familiar with the types of blood types	Blood type identification using certain techniques	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams
11th	2	The student learn on Conducting test Coagulation	Coagulation tests (bleeding time, clotting time, platelet count)	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams
12th	2	The student should learn on lung function tests	Perform lung function tests and interpret the results	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams
13th	2	The student should learn to measure general arterial blood pressure	Measurement of arterial blood pressure and interpretation of the results	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams
14th	2	The student should learn to perform semen analysis	Semen analysis and interpretation of the results	Practical	Daily preparation n

					Daily exams (KOs) Bubble Sheet Exams
15th	2	The student should learn to test the urine	Perform a urine test and interpret the results	Practical	Daily preparation n Daily exams (KOs) Bubble Sheet Exams

11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	1- Guyton and Hall's Book of Medical Physiology by John E. Hall Lippincott® Illustrated Reviews:
Main Reference(s)	Physiology by Robin R. Princeton
Recommended books and references (scientific journals, reports...)	Human Physiology
References, Websites	Physiology of Feeding Systems in Human

Course Description Form

1. Course Name	
Biochemistry	
2. Course Code	
ONLY115-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 60 / Number of Units (Total): 4	
7. Course administrator name (if more than one name mentioned)	
Name: M.M. Hussain Adnan Hussain Email: hussain.mater.iba@atu.edu.iq	
8. Course Objectives	
Course Objectives	General Objectives This course aims to provide students with an understanding of the fundamental principles and topics in biochemistry and its empirical foundations. Special Objectives 1- Determining the biochemical composition of the body. 2- Knowledge of the basic cellular structure. 3- Knowing the special properties of water and how the aquatic environment affects the behavior of biomolecules. 4- Knowledge of the structure of proteins, carbohydrates, fats, hormones, and nucleic acids. 5- Determination of enzymatic activity. 6- Knowledge of metabolic processes in cells
9. Teaching and Learning Strategies	

Strategy	❖ Theoretical Lecture Strategy: It is based on explaining knowledge and information in a way Direct from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.
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10. Course Structure

The week	Number of hours	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student should learn about chemical reactions such as redox and reduction	Chemical reactions (oxidation, reduction, hydrolysis) Measurements in Chemistry (Qualitative and quantitative measurements of the material)	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
2nd	2	The student should be familiar with the biochemistry of the cell, subcellular organelles, pH regulation mechanisms, and acid-base balance mechanisms.	1. History and scope of biochemistry. 2. Cell biochemistry - Subcellular organelles and cell membranes (structure and functions) - pH regulation mechanisms. - Acid-base balance. 3. Balance mechanisms. 4. Transport through the biological cell.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

3rd	2	The student should be familiar with water balance, water balance and imbalance	1. Water - Disorder and balance - Water quantity and output. 2. Electrolyte - Composition and disorder (sodium, potassium, iron, calcium, chloride). 3. Biomolecules - Structures - Functions - Properties.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
4th& 5th	2	1. The student should get to know Types of amino acids and general metabolism for amino acids and ammonia formation. 2. The student should get to know the Types of proteins and their functions	1. Amino Acids - Classification and characteristics • Amino Acids - General amino acid metabolism and ammonia formation. - Peptide synthesis. 2. Proteins - Structures and characteristics Protein classification - Protein function - Demolition and nitrogen balance - Urea cycle	theoretical	Daily preparation Daily exams (Quizzes) Bubble Sheet Exams
6th	2	The student should get to know Types of Enzymes and Factors affecting its activity.	- Definition and general characteristic of the enzyme. - Active enzyme stimulation - Factors affecting Enzyme activity	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
7th& 8th	2	The student should get to know Definition of Carbohydrates	-Definition and classification and biological significance ,	theoretical	Daily preparation

		and classification.	Glycosidic Association -Metabolism For Carbohydrates -Glycolysis and composition Glucose -Glycogen hydrolysis and glycogen formation -Glycometabolism and sugars • Vitality of the metabolic cycle.		Daily exams (KOs) Bubble Sheet Exams
9th& 10th	2	The student should get to know Fat classification and functions	-Classification - Structure - Characteristics - Function -Neutral Fat (TAG) - Storage, Hydrolysis , -Metabolism -Cholesterol function and metabolism -Structure of lipoproteins	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
11th &12th	2	The student should be familiar with the mechanism of action of hormones	Definition and function -Hormone mechanism of action -Effect and characteristics of some Hormones	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
13th &14th	2	The student should get to know Types of nucleotides Nitrogenous bases and RNAs And the ribose is incomplete Oxygen	Nucleotides , nucleic acids (RNA, DNA) and antioxidants	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
15th	2	The student should be familiar with the types of vitamins	First of all. Vitamins -Definition and classification	theoretical	Daily preparation

		and minerals and their functions	Sources, structure, deficiency and surplus II. Metals -Trace metals (zinc, Copper metal poisoning–,mercury) CD, Al, Pb) -Detoxification and biotransformation		Daily exams (KOs) Bubble Sheet Exams
The week	Number of hours	Learning method required	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student should be familiar with the glassware in the chemistry lab and determine the pH	Glassware Recognition and pH Determination	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
2nd	2	The student should get to know Calibration of the reducing agent against the oxidizing agent	Calibration of the reducing agent against the oxidizing agent	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
3rd	2	The student should get to know Pierre Lambert's Law	Standard Curve and Verification From Beer Lambert's Law	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
4th	2	The student should be familiar with peptide bonds and the pyruvate test	Pyruvate Test for Peptide Bonds	Practical	Daily preparation

					Daily exams (KOs) Bubble Sheet Exams
5th	2	The student should learn how to break down proteins	Protein breakdown	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
6th	2	The student should be familiar with the enzyme activity tests	Qualitative Tests for Enzyme Activity	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
7th	2	The student should get to know Types of carbohydrate	General Carbohydrate Test	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
8th	2	The student should get to know Hydrolysis of the duo For Sugars and Sugars	Disaccharides and sugars	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
9th	2	The student should get to know Types of Amino Acid	Fatty acid formation and non-slippery soaps Soluble	Practical	Daily preparation

					Daily exams (KOs) Bubble Sheet Exams
10th	2	The student should learn about cholesterol	Qualitative Cholesterol Estimation	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
11th	2	The student should get to know ELISA Test	Data Display ELISA	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
12th	2	The student should get to know RIA	View Data Show	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
13th	2	The student should learn a way DNA isolation Ribeye from yeast	RNA isolation from yeast (film)	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
14th	2	The student learns in a way that DNA isolation	DNA (film)	Practical	Daily preparation

					Daily exams (KOs) Bubble Sheet Exams
15th	2	The student should learn to identify ascorbic acid	Ascorbic acid	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Leininger's Principles of Biochemistry - David L. Nelson, Michael M . Cox, 5th Edition , 200
Main Reference(s)	Biochemistry - U Satyanarayana, Chakrabani, 4 ED , 2013
Recommended books and references (scientific journals, reports...)	Basics of Biochemistry
References, Websites	Biochemistry

Course Description Form

1. Course Name	
Clinical Chemistry	
2. Course Code	
ONLY125-24-CM	
3. Semester/Year	
Semester 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 60 / Number of Units (Total): 4	
7. Course administrator name (if more than one name mentioned)	
Name: M.M. Hussain Adnan Hussain Email: hussain.mater.iba@atu.edu.iq	
8. Course Objectives	
Course Objectives	General Objectives This course aims to provide students with basic knowledge in clinical chemistry through theoretical and practical studies. Special Objectives After completing the course, students will be able to: 1- Prescribing disorders of protein, glucose, fats, hormones, vitamins, and electrolytes. 2- Discuss the underlying disorders in the various organs, and determine the laboratory tests that can be performed to diagnose them. 3- Determination of enzymatic activity. 4- Knowledge of metabolic processes in cells. 5- Knowledge of the methods of estimating hormones. 6. Identify energy needs.
9. Teaching and Learning Strategies	

Strategy	❖ Theoretical Lecture Strategy: It is based on explaining knowledge and information in a way Direct from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.
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10. Course Structure

The week	Weeks	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	2	1. The student should get to know Laboratory Supplies, Separators and Types 2. The student should learn how to get rid of hazardous materials.	-Laboratory Supplies -Separation techniques -Types of Samples - Disposal of hazardous materials	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
2nd & 3rd	2	The student should be familiar with body fluids such as blood, blood clotting and hemoglobin lysis 2. The student should be	First of all. Blood - Composition and Functions - Blood clotting and hemoglobin breakdown - Prevent blood clotting. - Hemolysis Second. Urine	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

		familiar with the physical and chemical properties of urine	- Composition - Secretion - Normal and abnormal amount of urine - Urinalysis (physical and chemical properties)		
4th	2	Familiarize yourself with routine kidney function checks and the KFTs component	Electrolyte disturbances (Sodium, Potassium, Iron, Calcium, Chloride) -Evaluation of kidney function tests and the KFTs component Routine kidney function tests	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
5th & 6th	2	1. The student should be familiar with the types of proteins and the methods of measuring them. 2. The student should be familiar with non-protein nitrogen compounds	• Types of protein abnormalities • Protein in other body fluids • Methods of measuring protein • Non-protein nitrogen compounds (urea, creatinine, uric acid, ammonia) • Urea cycle disorder	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
7th & 8th	2	1. The student should be familiar with the types of enzymes and its effect on the liver	Clinical ➤ Enzymatics ▪ (ALT, AST, GGT, ALP, ACP) ▪ Enzymatic profile in liver disease ▪ Enzymatic markers for heart disease ▪ Amylase and lipase ➤ Liver function	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

			check ❖ The main function of the liver ❖ Liver Function Test Classification ❖ Signs of liver dysfunction - Liver Artificial Function Test - Serum Enzyme-Based Test - Hepatic obstructive disease test		
9th & 10th	2	1. The student should be familiar with the types of carbohydrates and the methods of measuring them.	• Types of carbohydrates and how they are measured in the blood • High blood sugar and hypoglycemia • Hormonal regulation of the level of carbohydrates in the body • Normal plasma glucose level and clinical significance - Diabetes and metabolic syndrome - Laboratory tests for diabetes	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
11th	2	The student should identify the types of fats and identify the diseases associated with them.	❖ General Lipoprotein ❖ Fat-related diseases ❖ Plasma lipoprotein (types and importance) ❖ Lipid profile	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
12th & 13th	2	The student should be	➤ Disturbances: - Hypothalamus and	theoretical	Daily preparation

		familiar with the types of hormones present in the human body	pituitary hormones - Steroid hormones. - Thyroid hormones - Pancreas and gastrointestinal tract - Pregnancy hormone		Daily exams (KOs) Bubble Sheet Exams
14th	2	The student should learn about the types of cancers and their treatment	• Cancer - Differentiation of Cells and Carcinogens and Cancer Treatment ▪ Tumor signs ▪ Free radicals - Clinical significance (lipid peroxide)	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
15th	2	The student should be familiar with the types of energy, obesity and the risk of malnutrition	▪ Power Requirements ▪ Risk of malnutrition ▪ Obesity ▪ Glycemic index ▪ Toxic substance in food	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
The week	Number of hours	Learning method required	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student should be familiar with the biochemistry laboratory, basic separation techniques, and units of measurement.	➤ Clinical Laboratory Supplies ➤ Basic separation techniques ➤ Units of measurement.	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
2nd	2	The student should be familiar with the methods of	Blood Samples	Practical	Daily preparation

		collecting blood samples			Daily exams (KOs) Bubble Sheet Exams
3rd	2	The student should be familiar with the natural and abnormal components of urine	Ingredient of urine	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
4th	2	The student should learn to appreciate creatinine	Estimation of Creatinine	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
5th	2	The student should learn to estimate the level of total protein and albumin.	Estimating the level of protein and albumin	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
6th	2	The student should learn on the appreciation of urea	Urea Appreciation	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
7th	2	The student should be familiar with the	(GOT) & (GPT)	Practical	Daily preparation

		,AST(GOT) , ALT(GPT ACP ALP or grading activity			Daily exams (KOs) Bubble Sheet Exams
8th	2	The student should be familiar with the assessment of liver dysfunction	Estimation of Hepatic Dysfunction	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
9th	2	The student should be familiar with the glucose level estimation	Estimating your glucose level	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
10th	2	The student should learn to appreciate hemoglobin in the blood	Estimating hemoglobin in the blood	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
11th	2	The student should learn to estimate the level of lipids in the blood	Estimating the level of lipids in the blood	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
12th	2	The student should be familiar with	Thyroid hormone	Practical	Daily preparation

		the thyroid hormone estimation			Daily exams (KOs) Bubble Sheet Exams
13th	2	The student should be familiar with the estimation of pregnancy hormone.	Pregnancy hormone	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
14th	2	The student should be familiar with the fat peroxide estimation	Fat peroxide	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
15th	2	The student should learn at the expense of body mass index (BMI).	Body Mass Index	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Leininger's Principles of Biochemistry - David L. Nelson, Michael M. Cox, 5th Edition, 2008
Main Reference(s)	Biochemistry - Yosatyanarayana, Uchakkrabani, 4 ED, 2013
Recommended books and references (scientific journals, reports...)	Chemistry in Our Lives
References, Websites	Biochemistry

Course Description Form

1. Course Name	
Anatomy	
2. Course Code	
ONLY113-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 60 / Number of Units (Total): 4	
7. Course administrator name (if more than one name mentioned)	
Name: Eng. Rabab Adnan Hamza Email: rabab.hamza@atu.edu.iq	
8. Course Objectives	
Course Objectives	General Objectives: The student will be able to know: the anatomy of the human body systems. Special Objectives: 1. Body organs and their relationship to the surface of the body. 2. The relationship of the members of each organ.
9. Teaching and Learning Strategies	
Strategy	❖ Theoretical Lecture Strategy: It is based on explaining knowledge and information in a way Direct from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.

10. Course Structure

The week	Watches	Required Learning Outcomes	Unit or Subject Name	Learning method	Method Evaluation
1st	2	The student should get to know Anatomical Trends For the human body	-Anatomical tendencies: giving an altgram to all the directions of the human body. Anatomy Heart surface: describe the position of the heart according to the wall Chest and rib number.	theoretical	Preparation Daily Exams Daily (Cups) Bubble Exam
2nd	2	The student should get to know Superficial anatomy For the lungs	Superficial anatomy of the lungs: Description of the position of the lungs according to the chest wall and rib number. Anatomy of the abdomen Draw areas of the abdomen surface Horizontal and vertical lines.	theoretical	Preparation Daily Exams Daily (Cups) Bubble Exam
3rd	2	The student should get to know Gastric anatomy	- Gastric anatomy: Shows the relationship of the stomach to other organs in the abdomen. -Bowel anatomy: Clarifies the relationship of the intestines to other organs in the abdomen. - Appendix anatomy: Identify the appendix area in the right iliac region .	theoretical	Preparation Daily Exams Daily (Cups) Bubble Exam

4th			Dissection of the liver and spleen: They show the areas of the liver and spleen according to the anatomy of the abdominal surface. - Gallbladder anatomy: Identification of the area of the gallbladder in the right sub-and coastal region . Determination of the uterine area in the upper part – Pubic area		
	2	The student should get to know the structure Bone	Skeletal anatomy: Central skeletal half: skull - spine and circumference. Skull bones and spine: Name bone numbers on all surfaces of the skull. Show the student the types of vertebrae and their numbers	theoretical	Preparation Daily Exams Daily (Cups) Bubble Exams
	2	The student should get to know Upper limb anatomy	Upper limb anatomy : Showing the shoulder bones on the skeleton which is the shoulder blade and clavicle.	theoretical	Preparation Daily Exams Daily (Cups) Bubble Exams
6th	2	The student should get to know anatomy of the forearm bones	Anatomy of the forearm Showing the bones of the	theoretical	Preparation Daily Exams Daily (Cups)

7th		and the bones of the hand	forearm: (ulna and radius). Hand bones show: (Wrist, metacarpal and catalang)		Bubble Exams
	2	The student should get to know Anatomy of the lower limb	Anatomy of the lower limb : Pelvic bones: The pelvic bones are defined as (Ilium, Ischium, Pubis, and sacrum). Femur: Showing the skeleton of the femur with the lower and upper limbs	theoretical	Preparation Daily Daily exams (Cups) Bubble Exams
8th	2	The student should be familiar with the anatomy of the leg bones	Tibia bones: The bones appear, which are: (tibia and fibula) and extracting them to the femur and foot Foot bones: Description of the bones , which are: (wrist, metatarsal, and phalange).	theoretical	Preparation Daily Daily exams (Cups) Bubble Exams
9th	2	The student should get to know Anatomy of the muscular system Structural	Anatomy of the musculoskeletal system of the shoulder muscle: Show them on the model all the shoulder muscles Anatomy of the chest wall : giving types and numbers of ribs and declaring the sternum	theoretical	Preparation Daily Daily exams (Cups) Bubble Exams

10th	2	The student should get to know Chest and abdominal muscles	Chest and abdominal muscles: Name the muscles of the chest wall and abdominal wall . Back muscles and gluteal area: The student's muscles appear in the back and gluteal muscles	theoretical	Preparation Daily Daily exams (Cups) Bubble Exams
11th	2	The student should get to know Cardiac Anatomy Vascular	Cardiovascular Anatomy : Describe the anatomy and structure of the heart, arteries, and major veins throughout the body.	theoretical	Preparation Daily Daily exams (Cups) Bubble Exam
12th	2	The student should get to know Gastrointestinal anatomy	Gastrointestinal anatomy: Show them a gastrointestinal organ model .	theoretical	Preparation Daily Daily exams (Cups) Bubble Exams
13th	2	The student should get to know Respiratory system and its parts	Respiratory system : showing lungs, airways, and airways.	theoretical	Preparation Daily Daily exams (Cups) Bubble Exam
14th	2	The student should get to know Genitourinary system	Genitourinary system: They show the kidneys and urinary bladder with glorification of the uterus and prostate.	theoretical	Preparation Daily Daily exams (Cups) Bubble Exams
15th	2	The student should get to know Nervous system and its parts	Central nervous system: description of the brain, cerebellum, medulla oblongata, and spinal cord .	theoretical	Preparation Daily Daily exams (Cups) Bubble Exams

The week	Number of hours	Learning method required	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student should get to know Anatomical Trends	Anatomical Directions: Learn body directions as follows: Superior Inferior medial lateral. Surface anatomy of the heart: Learn the location of the heart between working on the ribs of the chest and the sternum. Anatomy of the surface of the lungs : Learn about the relationship between the lungs and the number of ribs and the collarbone	practical	Preparation Daily Daily exams (Cups) Bubble Exams
2nd	2	The student should get to know Anatomy of the abdomen	Anatomy of the abdominal surface: - Show the abdominal surface into nine regions according to horizontal and vertical lines. Superficial anatomy of the stomach: - Mention the relationship of the stomach to the abdominal surface area. Superficial anatomy of the intestine: - Giving the relationship of the small and large	practical	Preparation Daily Daily exams (Cups) Bubble Exam

3rd			intestine to the abdominal area.		
	2	The student should get to know superficial anatomy of the liver and the spleen	Superficial anatomy of the liver and spleen: - Giving the location of the liver and spleen according to the abdominal area. Superficial anatomy of the appendix: - The location of the appendix relative to the anatomy of the abdominal surface. Superficial anatomy of the gallbladder: - The location of the gallbladder relative to the liver and abdomen. Superficial anatomy of the uterus: - Uterine location by abdominal area	practical	Preparation Daily Daily exams (Cups) Bubble Exams
4th	2	The student should get to know Skull bones	Skull Bones: - The bones of the inner surface and outer surface of the skull are visible. Bone of the spine: Naming of vertebral types: cervix thoracic and sacral. Wood Vertebrae .	practical	Preparation Daily Daily exams (Cups) Bubble Exams
5th	2	The student should to know Skeletal anatomy	Skeletal anatomy : - Description of the types of bones and the central and	practical	Preparation Daily Daily exams (Cups) Bubble Exams

6th			peripheral skeleton Back shoulder bones Shoulder and collarbone bones.		
	2	The student should get to know Arm bones	Arm bones : - The name of the humerus for the shoulder Forearm bones : - Description of the radius and ulna bones.	practical	Preparation Daily Daily exams (Cups) Bubble Exams
7th					
	2	The student should get to know Pelvic bones	Pelvic bones: - Description of the pelvic bone and sacral bone. Femoral Bones : - The name of the femur in the sacral bone.	practical	Preparation Daily Daily exams (Cups) Bubble Exams
8th					
	2	The student should get to know Leg bones	Tibia bones: - The name of the bones that are the leg and fibula. Foot bones : - It consists of the metatarsal bone, metatarsal, and phalange.	practical	Preparation Daily Daily exams (Cups) Bubble Exams
9th					
	2		Anatomy of the chest wall : - Giving Types and the number of sides for cutting. Shoulder muscle Major and minor thoracic shoulder muscles	practical	Preparation Daily Daily exams (Cups) Bubble Exams
10th					
	2	The student should get to know	Chest and abdominal muscle: -	practical	Preparation Daily

		Chest and abdominal muscles	Naming the muscles of the abdominal wall and the inner chest muscles. Back Muscle and Gluteal Area: - Describe the name of the back muscles and gluteal area muscles .		Daily exams (Cups) Bubble Exam
11th	2	he student should get to know Cardiac Anatomy Vascular	Cardiac Anatomy Vascular We show them the organ model, which is the heart and the large ancillaries.	practical	Preparation Daily Daily exams (Cups) Bubble Exams
12th	2	he student should get to know Gastrointestinal anatomy	Gastrointestinal anatomy Description of gastrointestinal Organs The students found most of the organs related to this device.	practical	Preparation Daily Daily exams (Cups) Bubble Exam
13th	2	he student should get to know Respiratory anatomy	Respiratory system: Explains lungs and the people Pneumatic Bronchial For most students organs related to this organ.	practical	Preparation Daily Daily exams (Cups) Bubble Exams
14th	2	he student should get to know Urinary Anatomy Genital	Genitourinary system : We show them the kidneys and urinary bladder with a glorification of the uterus and prostate and show the students most	practical	Preparation Daily Daily exams (Cups) Bubble Exams

15th			of the organs related to this organ		
	2	The student should get to know Parts of the nervous system Central Bank	Central nervous system: Hemisphere – cerebellum – medulla oblongata and spinal cord and show students most of the organs related to this system.	practical	Preparation Daily Daily exams (Cups) Bubble Exams

11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Anatomy by Qais Ibrahim Al-Douri
Main Reference (s)	Anatomy of Gray and Ross Wilson
Recommended books and references (scientific journals, reports...)	Clinical anatomy of the head and neck
References, Websites	General anatomy and functions of the nervous system

Course Description Form

1. Course Name	
Computer Applications	
2. Course Code	
ATU118-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 45 / Number of Units (Total): 2	
7. Course administrator name (if more than one name mentioned)	
Name: Eng. Mohamed Faris Naji Email: mohammed.naji@aut.ed.iq	
8. Course Objectives	
Course Objectives	1- Employing the work of computers to serve the activities of the university and automate its work, train its staff

and students, and develop their professional skills to prepare specialized technical staff capable of creating the connection between the scientific, technical and administrative components and thus the success of the institutional work.

- 2- Supporting scientific research by providing technical and technical support to researchers.
- 3- Highlighting the role of the university in raising the efficiency of institutional performance in the society by training the cadres of the state departments and the private sector to work on computers to accomplish office work in various institutions.
- 4- Strengthening the partnership between the university and civil society institutions by extrapolating the renewed needs of the community and targeting them with consulting services.
5. Commitment to the application of quality standards and the evaluation of institutional capacity and educational effectiveness periodically.
- 6- A link between the university and the outside world through the website

9. Teaching and Learning Strategies

Strategy	❖ Theoretical Lecture Strategy: It is based on explaining knowledge and information in a way Direct from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.
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10. Course Structure

The week	Weeks	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	1	The student should get to know Computer Basics	Computer Concept Life Computer Course Computer development is generations	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2nd	1	The student should get to know Computer classification from Purpose and size and data type	Computer Classification In terms of purpose Size and type of data	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3rd	1	The student should get to know Computer Components	Description Computer Components Hardware Software Components	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

4th	1	The student should get to know Your PC is a security concept Software Licenses	Your PC is a security concept Software Licenses	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	1	The student should be familiar with computer security and software licenses	Computer Security and Software Licenses	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th	1	The student should get to know Forms of Abuse and computer security and computer privacy	Forms of Abuse and computer security and computer privacy	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	1	The student should get to know Licenses In terms of ownership and intellectual property The most important steps necessary to solve a problem Penetration Operation	Licenses In terms of ownership and intellectual property The most important steps necessary to solve a problem Penetration Operation	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8th	1	The student should get to know Operating System Functions	Operating System Definition And what are the jobs What are the goals of the operating system with examples	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9th	1	The student should get to know	With Skills windows	theoretical	Daily preparation

		Skills windows			Daily exams (Cups) Bubble Sheet Exams
10th	1	The student should get to know Desktop and taskbar	What is a Surface The Office and How It Done Dealing with Tools available for the surface Office and also Knowledge Taskbar And what are the divisions of the taskbar	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11th	1	The student learns about How to create folders Icons and Files	How to define a student Create folders and icons and files	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12th	1	The student learns about Changing Surface Interfaces Office	Define the student how to change Desktop Interfaces	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
13th	1	The student should get to know Settings control process Computer	Introducing the student to the control process In computer settings	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14th	1	The student learns about	Student Definition of How to Organize and arrange the files	theoretical	Daily preparation Daily exams

		How to organize and arrange Files inside the computer and delete it	Inside the computer and how to delete it		(Cups) Bubble Sheet Exams
15th	1	The student should g to know Some cases and common customs Computer, Printer Management and set the date and time, Primary nettle maintenance	Some cases and common customs Computer, Printer Management and set the date and tim Primary nettle maintenance	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
The week	Numb er of hours	Learning method required	Unit Name or Subject	Learning method	Evaluation Method
1st	1	The student learns to browse and close windows	Examples of browsing and closing windows and dialogs and the right way to approach your keyboard, cursor, and other devices	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
2nd	1	The student should g to know Customize Icons and dealing with it	Examples of customization Icons and dealing with it And the screen resoluti changes	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
3rd	1	The student learns o Create a new user and enlarge window And learn about the hardware of the computer as well	Training the student abo Create a new user Enlarge windows and learn about the computer's hardware as well	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

4th	1	The student should learn to deal with computer software licenses	Training the student on dealing with computer software licenses	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
5th	1	The student should get to know How to Handle Aman Computer	Training the student on how to deal with computer security	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
6th	1	The student should get to know Computer Privacy	Training the student on computer privacy	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
7th	1	The student should be familiar with the characteristics of viruses and how to make a backup copy of the program	Training the student on recognizing the characteristics of viruses and how to make a backup of the program	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
8th	1	Training the student about Operating system And how to divide Hard Drive Internally and externally	Training the student about Operating system And how to divide Hard Drive Internally and externally	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
9th	1	Student Training About Installation Windows 7	Student Training About Installation Windows 7	practical	Daily preparation Daily exams (KOs)

					Bubble Sheet Exams
10th	1	Training the student about a list of shows and also creating and storing a file in the student's name around the desktop	Training the student about a list of shows and also creating and storing a file in the student's name around the desktop	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
11th	1	Training the student about Create a File Bassem Maeen And how the name changed and delete the file and how retrieval	Training the student about Create a File Bassem Maeen And how the name changed and delete the file and how retrieval	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
12th	1	Training the student about How backgrounds change	Training the student about How backgrounds change	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
13th	1	Training the student on the use of the control panel	Training the student on the use of the control panel	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
14th	1	Student Training About Delete Reinstallation Specific Program	Student Training About Delete Reinstallation Specific Program	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

15th	1	Training the student on how to install a printer or any other device	Training the student on how to install a printer or any other device	practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
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11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Computer Basics and Off Applications
Main Reference(s)	William Stow Lings, (2003), Computer Organization and Architecture, Sixth Edition, Teaching Individuals • Donald Sanders, (1995), Computer Today, Second Edition Lectures given by the subject teacher. Books available in the college library
Recommended books and references (scientific journals, reports...)	All reputable scientific journals that are related to computer science
References, Websites	Any other materials available on the network Internet

Course Description Form

1. Course Name	
Microbiology	
2. Course Code	
ONLY114-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 60 / Number of Units (Total): 4	
7. Course administrator name (if more than one name mentioned)	
Name: M.M. Intisar Khalif Fleifel Email: intisar.khlaif@atu.edu.iq 	
8. Course Objectives	
Course Objectives	Students will learn about: 1. Microorganisms, viruses and bacteria. 2. Sterilization and disinfection. 3. Medical Microbiology. 4. Microbiology causes diseases to humans. 5. Prevention and treatment of diseases. 6. Diagnosis of bacteria. 7. Antibiotic susceptibility test. 8. Immune defense mechanism against diseases
9. Teaching and Learning Strategies	

Strategy	Theoretical Lecture Strategy: It depends on explaining knowledge and information directly from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with the teacher by asking questions and discussion about Topics discussed. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match the content Educational.
10. Course Structure	

The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1	2	The student could be familiar with the knowledge of microbiology and Safety Laboratory Personal Protective Equipment	History of Biosafety Microbiology and Molecular Biology Safety Levels Biological Equipment Personal Protection	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2	2	The student learns on the classification of Microorganisms	Classification of microorganisms. For diseases	theoretical	Daily preparation Daily exams (Cups)

			Dermatological and urogenital virulence and digestive system Hepatic and hemorrhagic (Clinical manifestations and diagnosis and treatment)		Bubble Sheet Exams
3	2	1. The student should be familiar with the science of bacteriology 2. The student should be familiar with the general structure of the bacteria. Sterilization and disinfection, agriculture and dyeing	General Introduction to Bacteriology The general structure of bacteria. Sterilization and disinfection, agriculture and dyeing	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
4	2	The student should be familiar with the environmental conditions affecting the growth of bacteria. Stages of bacterial growth Inhibition of bacterial growth Bacterial growth and inhibition	Environmental conditions that affect the growth of bacteria. Stages of bacterial growth, Inhibition of bacterial growth Bacterial growth and inhibition	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

5	2	The student should be familiar with medicinal bacteria: Staphylococcus group, Golden Genera Properties , Poisons Treatment of pathogens, epidermis, throwing	Medicinal Bacteria: Macrococcal group Staphylococcus aureus, General Characteristics, Toxins Treatment of pathogens, epidermis, throwing	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6	2	The student should be familiar with the group of nodules, pneumonia: - General structure, ,Diseases Pathologies and Treatment S. viridans ‘ S. faccalis‘ S. pyogens ‘	Nodule group, Streptococcus pneumonia: - General structure, ,Diseases Pathologies and Treatment S. viridans ‘ S. faccalis ‘ S. pyogens ‘	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7	2	The student should get to know Neisseria group, general structure, disease and diagnosis	Al-Nissari Group A: General Structure, Meningococcal, General Structure, Disease and Diagnosis	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8	2	The student should get to know	Clostridium titani	theoretical	Daily preparation

		Anaerobic bacteria such as Clostridium titani Description, disease agents that promotes growth in wounds, Prevention and treatment	anaerobic bacteria Description, Disease factors that promotes growth in wounds, Prevention and treatment		Daily exams (Cups) Bubble Sheet Exams
9	2	The student should recognize the necrosis Muscular (Clostridium) Description, disease, treatment, food, Clostridia poisoning, toxins secreted in foods, symptoms, treatment. Bacillus anthrax: description, disease and treatment.	(Clostridium muscular necrosis) Description, disease, treatment, food, Clostridia poisoning, toxins secreted in foods, symptoms, treatment. Bacillus anthrax: description, disease and treatment.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
10	2	The student should be familiar with the types of intestinal bacteria, the medical importance, the general	Types of intestinal bacteria, medical importance, general characteristics, cultivation methods.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

		characteristics , and the methods of cultivation. Pathogenic intestinal bacteria. Salmonella group: Symptoms, poisoning and treatment	Pathogenic intestinal bacteria. Salmonella group: Symptoms, poisoning treatment		
11	2	The student should be familiar with Shigella disease: treatment, Shigella food poisoning, symptoms, proteins, Turbulence, Agriculture	Shigella disease: treatment, Shigella food poisoning, symptoms, proteins, Turbulence, Agriculture	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12	2	1. The student should be familiar with Brucella bacteria: the general characteristics , disease, diagnosis, and treatment. 2. The student should be familiar with Bordetella, Morphological changes	Brucella: the general characteristics, disease, diagnosis, treatment. Bordetella, Morphological changes Agriculture, disease, and treatment	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

		Agriculture, disease, and treatment			
13	2	The student should get to know bacteria that look like Vibrio form : cholera. General Features, Disease, Identification, Treatment	Vibrio form : cholera. General Features, Disease, Identification, Treatment	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14	2	The student should be familiar with trypanosomiasis worms : Diagnostic Screening General characteristics Leptospira: - Qualities, Diagnosis and Treatment	Trypanosoma: Diagnostic Screening General characteristics Leptospira: - Qualities, Diagnosis and Treatment	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15		The student should be familiar with immunity, infection, inflammation and resistance that are normal and unspecified Defense, Acquired immunity	immunity, infection, inflammation and resistance are natural unspecified defenses, Acquired immunity	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

The week	Number of hours	Learning method required	Unit Name or Subject	Learning method	Evaluation Method
1	2	The student should learn safety methods in the laboratory – laboratory instrument – microscope – incubator – Autoclave – Furnace – Gasoline Flame – Ring – Glass.	Laboratory Safety – Laboratory Instrument – Microscope – Incubator – Autoclave – Furnace – Gasoline Flame – Ring – Glass	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2nd	2	The student should get to know viral infections (internal and external infections).	viral infections (internal and external infections).	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3rd	2	The student learns on sterilization and disinfection methods – Physical sterilization – Humid heat – Dry heat – radiation Chemical sterilization and nomination	sterilization and disinfection methods – Physical sterilization – Humid heat – Dry heat – radiation Chemical Sterilization and Filtration	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

4th	2	The student should be familiar with the cultivation of media. Types of media – differential media. Special media. Lobe grafting	– Transplantation of media. Types of media, differential media, special media, grafting by lobe	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	2	The student should learn how to prepare the agricultural medium and the types of media.	Preparation of the Planting Media and Types of Media	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th	2	The student should learn about the methods of agriculture	Cultivation Methods	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	2	The student should be familiar with the types of SWAB and planning methods	Types of Swab and Layout Methods	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8th	2	The student learn on Dyeing-	Coloring	practical	Daily preparation

		- Moist smear Dry smear – A simple swab			Daily exams (Cups) Bubble Sheet Exams
9th	2	The student should get to know On Dyes Differential and the Coloring Method	Differential Dyes and Coloring Method	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
10th	2	The student should be familiar with the color of Karam and the swab of Karam	Karam dye	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11th	2	The student learns on Preparation of Zia-Nielsen dye the Zell-Nielsen swab	Zell-Nielsen Dye	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12th	2	The student should get to know Test Methods Antibiotic allergy – Preparation of Karam dye	Antibiotics positive for Karam dye	practical	Daily preparation Daily exams (Cups)

					Bubble Sheet Exams
13th	2	The student should be familiar with the methods of testing for antibiotic susceptibility to Cram dye	Antibiotics are negative for chrome dye	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14th	2	The student should get to know Serological testing Widely tested	Perform the Aloe Yadal Test	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15th	2	The student should be familiar with immunological tests	Type of ELSAs	practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

11.Course Evaluation	
The evaluation method is as follows: 40% for the quest and 60% for the final exam	
12.Learning and Teaching Resources	
Required Textbooks (Methodology, if any)	1. Basic Medical Microbiology 2.Atlas of Biology Precision, Caesar Diseases Contagion.
Main Reference(s)	Basic Microbiology Microbiology Clinical Microbiology
Recommended books and references (scientific journals, reports...)	Javid, Medical Microbiolog 27th Edition.
References, Websites	Colored Atlas of Diagnostic Microbiology.

Course Description Form

1. Course Name	Medicinal viruses and parasites
2. Course Code	ONLY124-24-CM
3. Semester/Year	Semester 2025-2026
4. Date this description was prepared	25-10-2025
5. Available Forms of Attendance	Presence
6. Number of Hours (Total) / Number of Credits (Total)	Number of Hours (Total): 60 / Number of Units (Total): 4
7. Course administrator name (if more than one name mentioned)	Name M.M. Intisar Khalif Fleifel Email intisar.khlaif@atu.edu.iq
8. Course Objectives	

Course Objectives	At the end of this course, the student will be able to know: 1- Parasitology and mycology. 2- Medical parasitology (protozoa and worms). 3- Factors that contribute to the transmission of diseases. 4- Pathogenic parasites. 5- The life cycle of the parasite. 6- Treatment and diagnosis of parasitic infections. 7. Prevention and control of them. 8- Fungal infections, clinical diagnosis, treatment.
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9. Teaching and Learning Strategies

Strategy	❖ Theoretical Lecture Strategy: Based on Knowledge Explanation The information is directly from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other Some and with the teacher by asking questions and discussing the topics raised. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match the content Educational.
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10. Course Structure

The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation
1st	2	The student should be	Definition of Parasites,	theoretical	Daily

		familiar with the science of parasitology, host, and communist parasitism, Parasites Nurses	Parasitology, Host, Communist Parasitism, Parasites Nurses		(Cups) Bubble Exams
2nd	2	The student should be familiar with the intestinal balance, amoebic dysentery, the symptoms of the life cycle of the figure. Diagnosis and treatment. Life cycle symptoms E. histolytica and diagnosis and treatment.	Rectum and intestinal tomos, amoebic dysentery, symptoms of the life cycle of the form Diagnosis and treatment. Symptoms Life cycle E. histolytica Diagnosis and treatment.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
3rd	2	The student could get to know على E gingivalis Life cycle Symptoms, diagnosis and treatment.	E gingivalis life cycle, symptoms , diagnosis and treatment.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
4th	2	The student should be familiar with the intestinal flagellum, vaginal giardia, shape,	Intestinal flagellum, vaginal giardia, form, diagnosis, treatment. Intestinal cilia Balantidium coli- Figure-	theoretical	Daily preparation Daily exams (Cups) Bubble Exams

		diagnosis, and treatment. Intestinal cilia Balantidium coli- Figure- Life cycle and treatment.	Life cycle and treatment.		
5th	2	N. fowleri Life Cycle ,Symptoms Diagnosis and Treatment. T. vaginalis Symptoms Life cycle Diagnosis and treatment	, N. fowleri Life Cycle ,Symptoms Diagnosis and Treatment. T. vaginalis Symptoms Life cycle Diagnosis and treatment	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
6th	2	The student should be familiar with the Plasmodium monocyte blood parasite: Life cycle and laboratory diagnostics Disease treatment.	Plasmodium monocellular blood parasite: Life cycle Diagnosis Laboratory Treatment Diseases.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
7th	2	The student should be familiar with the shape and types of leishmaniasis.	Leishmania form: life cycle , disease, diagnosis, treatment. Tropical Leishmaniasis : Form – Disease and Treatment.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
8th	2	The student should be	Toxoplasmosis: diagnosis,	theoretical	Daily preparation Daily exams

		familiar with toxoplasmosis	disease, shape life cycle, and treatment		(Cups) Bubble Exams
9th	2	The student should be introduced to intestinal worms: the pin worm	Intestinal worms: pinworm, Enterobius, Shape, male, female, egg, Life cycle, disease, treatment	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
10th	2	The student should be introduced to the Ascarus worm	Escars: Shape (Male, female, egg) Life cycle , Disease, diagnosis, treatment.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
11th	2	The student should be familiar with tap worms: Taenia Solium, Taenia Saginata	Tap worms: Taenia Solium, Taenia Saginata : - Figure, Life cycle , Diagnosis, Treatment	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
12th	2	The student should be familiar with schistosomiasis	Hematological schistosomiasis: Shape, Male, Female, Egg, Life Cycle , Disease, Diagnosis, Treatment	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
13th	2	The student should be familiar with the virgin cyst	Virgin cyst: form, life cycle, diagnosis	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
14th	2	The student should be	Mycology General	theoretical	Daily preparation Daily exams

15th	2	introduced to the science of mycology	Introduction , Classification of Fungi		(Cups) Bubble Exams	
		The student should get to know On Infections Fungal Clinical Diagnosis and Treatment	Fungal infections, clinical diagnosis and treatment	theoretical	Daily preparation Daily exams (Cups) Bubble Exams	
The week	Watches	Learning method required	Unit Name or Subject	Learning method	Evaluation Method	
1	2	The student should be familiar with the stool test: collecting samples, preparing them , planting them, and diagnosing them.	Stool Examination: Sample collection , preparation , culture, and diagnosis.	practical	Daily preparation Daily exams (Cups) Bubble Exams	
2	2	The student should be familiar with amoebic dysentery	Amoebic dysentery, screening and diagnosis of all-trophozoite and cyst stages.	practical	Daily preparation Daily exams (Cups) Bubble Exams	
3	2	The student should get to know Giardia Lamblia	Giardia lamblia: sample examination and diagnosis Trophozoite and cyst stages.	practical	Daily preparation Daily exams (Cups) Bubble Exams	
4	2	The student should get to know Balantidium coli	Balantidium. coli Preparation of a sample of the slide and diagnosis of the	practical	Daily preparation Daily exams (Cups) Bubble Exams	

			atrophozoite and cyst stages		
5	2	The student should learn to check phlegm and saliva	Sputum and saliva testing: sample collection , preparation, culture, and diagnosis.	practical	Daily preparation Daily exams (Cups) Bubble Exams
6	2	The student should be familiar with the Plasmodium parasite	Plasmodium unicellular parasite: life cycle, in vitro diagnostics, disease treatment	practical	Daily preparation Daily exams (Cups) Bubble Exams
7	2	The student should learn to test the urine	Urine test: sample collection, preparation, culture, and diagnosis	practical	Daily preparation Daily exams (Cups) Bubble Exams
8	2	The student should learn to examine vaginal parasites	Vaginal parasites: sample examination, atherofuzoite diagnosis and stage	practical	Daily preparation Daily exams (Cups) Bubble Exams
9	2	The student should learn to test blood and prepare blood swabs	Blood test: Sample collection , preparation and diagnosis of thick and thin swabs	practical	Daily preparation Daily exams (Cups) Bubble Exams
10	2	The student should learn to check for Leishmania and	Examination of Leishmania and Toxoplasma conidi.	practical	Daily preparation Daily exams (Cups) Bubble Exams

		Toxoplasma conidi			
11	2	The student should be familiar with intestinal worms, Ascaris worm and Ankylostoma	Intestinal worms, ascars and ankylostoma: sample screening and diagnosis.	practical	Daily preparation Daily exams (Cups) Bubble Exams
12	2	The student should get to know Form Screening Tape, schistosomiasis	Tapeworms and schistosomiasis	practical	Daily preparation Daily exams (Cups) Bubble Exams
13	2	The student should be familiar with the types of fungal agricultural media and the method of preparation	Cultivation of fungal media and method of preparation	practical	Daily preparation Daily exams (Cups) Bubble Exams
14	2	The student should be familiar with fungal skin diseases	Fungal skin diseases: Sample examination, cultivation, and diagnosis.	practical	Daily preparation Daily exams (Cups) Bubble Exams
15	2	The student should be familiar with fungal and venereal diseases	Venereal fungal diseases: sample examination, cultivation and diagnosis	practical	Daily preparation Daily exams (Cups) Bubble Exams
11.Course Evaluation					
The evaluation method is as follows: 40% for the quest and 60% for the final exam.					
12.Learning and Teaching Resources					
Required Textbooks (Methodology any)			1. Basic Medical Microbiology		

	2. Atlas of Biology Minute, Caesar Infectious Diseases.
Main Reference(s)	Basic Microbiology Microbiology Clinical Microbiology
Recommended books and references (scientific journals, reports...)	Javid, Medical Microbiology, 2 nd Edition.
References, Websites	Color Atlas of Diagnosis Microbiology

Course Description Form

1. Course Name	English
2. Course Code	ATU119-24-CM
3. Semester/Year	Semester 2025-2026
4. Date this description was prepared	25-10-2025
5. Available Forms of Attendance	Presence
6. Number of Hours (Total) / Number of Credits (Total)	Number of Hours (Total): 30 / Number of Units (Total): 2
7. Course administrator name (if more than one name mentioned)	Name: M.M. Noha Qasim Suhail Email: Nuha.suhai@atu.edu.iq Name: Eng. Inas Haider Kazim Email: inas.kadhim.iba@atu.edu.iq
8. Course Objectives	

Course Objectives	1. Develop their intellectual, personal, and professional abilities. 2. Acquire basic language skills (listening, speaking, reading, and writing) to communicate with English speakers. 3. Acquire the necessary language proficiency in different life situations. 4. Acquire the necessary language proficiency in various professions. 5. Develop positive attitudes towards learning English. 6. Developing linguistic competence that will enable them, in the future, to represent the culture and civilization of their homeland. 7. Acquire the linguistic foundations that enable them to participate in the transfer of scientific and technological progress of other countries to their homeland.
9. Teaching and Learning Strategies	
Strategy	❖ Theoretical Lecture Strategy: Based on Knowledge Explanation The information is directly from the teacher to the student. ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with Teacher by asking questions and discussing topics Presented. ❖ Periodic testing strategy

	❖ Write a report on study topics ❖ Use illustrations and videos that match Educational content.
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10. Course Structure

The week	Number of hours	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student should be familiar with the initial and final additions	Definitions of the origin and the prefix and final addition	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
2nd	2	The student should get to know Most common prefix extensions	Knowing prefix extension Most Common and using	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
3rd	2	The student should be familiar with the rules of reading	Learn about reading rules	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

4th	2	The student should be familiar with the pronunciation methods and the organs involved in the pronunciation process	Pronunciation Methods Organs Participate in Pronunciation Process	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
5th	2	The student should recognize the consonants	Recognize the letters that are written and not pronounced	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
6th	2	The student should learn to pronounce the sound of X	Recognizing the pronunciation of X and its condition	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
7th	2	The student should learn to pronounce the sound of C	Recognize Word Voice C	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
8th	2	The student should be familiar with	Solving vocabulary and meaning-	theoretical	Daily preparation

		the exercises related to vocabulary and meanings	specific exercises		Daily exams (KOs) Bubble Sheet Exams
9th	2	The student should be familiar with the grammar of the terms	Knowledge of grammar for terms	theoretical	Daily Preparation Daily Exams (Quizzes) Bubble Sheet Exams
10th	2	The student should recognize the distinction between the singular and the plural	Distinction between singular and plural	theoretical	Daily Preparation Daily Exams (Quizzes) Bubble Sheet Exams
11th	2	The student should get to know On Delivery & Filling Medical Terminology More Used	Connecting and filling in the blanks for more commonly used medical terms	theoretical	Daily Preparation Daily Exams (Quizzes) Bubble Sheet Exams
12th	2	The student should be familiar with the rules of addition	Understanding the Rules of Addition	theoretical	Daily Preparation Daily Exams (Quizzes) Bubble Sheet Exams
13th	2	The student should learn to solve	Solving exercises for	theoretical	Daily Preparation Daily

		exercises related to the correct pronunciation	the correct pronunciation		Exams (Quizzes) Bubble Sheet Exams
14th	2	The student should learn to use all the rules to write the medical term.	Writing the Medical Term	theoretical	Daily Preparation Daily Exams (Quizzes) Bubble Sheet Exams
15th	2	The student should learn to review the English grammar	Conducting a Comprehensive Review	theoretical	Daily Preparation Daily Exams (Quizzes) Bubble Sheet Exams

11.Course Evaluation

The method of evaluation is as follows: 30% for the quest and 70% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology any)	English for Medicine and Health Sciences by Shaheda Farah and Anaam Hammadi
Main Reference(s)	Learn English (Fundamentals English)
Recommended books and references (scientific journals, reports...)	English Language Teaching
References, Websites	Google Scholer

Course Description Form

1.	Course Name		
		Statistics	
2.	Course Code		
		NUR126-24-CM	
3.	Semester/Year		
		Semester 2025-2026	
4.	Date this description was prepared		
		25-10-2025	
5.	Available Forms of Attendance		
		Presence	
6.	Number of Hours (Total) / Number of Credits (Total)		
		Number of Hours (Total): 30 / Number of Units (Total): 2	
7.	Course administrator name (if more than one name mentioned)		
		Name: Eng. Mohamed Faris Naji Email: mohammed.naji@aut.ed.iq	
8.	Course Objectives		
Course Objectives		1- The student will be able at the end of the academic year to process and analyze statistical data, reach the correct conclusions, and prepare statistical forms. 2. Dealing with statistical data. 3. Dealing with and knowing the statistical measures of life and health. 4. Organizing the statistical form and the health form related to daily	

			accidents such as births, deaths, and diseases.		
9. Teaching and Learning Strategies					
Strategy	-1	.Lecture or Lecture Strategy			
	-2	.Discussion strategy			
	-3	.Brainstorming strategy			
	4-	E-Learning Strategy.			
10. 10. Course Structure					
The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1	2	The student should be familiar with the science of statistics and the methods of collecting and describing statistical data.	Definition of statistics, methods of data collection, presentation and description of statistical data.	theoretical	Daily preparation Daily Exams (Quizzes) Bubble Sheet Exams
5-2	2	The student should learn to represent frequency distributions	Representation of frequency distributions (classified) tabular view, frequency	theoretical	Daily preparation Daily Exams (Quizzes)

			distribution tables Graph – histogram , histogram, histogram, histogram.		Bubble Sheet Exams
7-6	2	The student should be familiar with the scale of centralism, the arithmetic medium, the mediator, and the pattern.	Measures of centralism The arithmetic mean, the median, the pattern.	theoretical	Daily preparation Daily Exams (Quizzes) Bubble Sheet Exams
8	2	The student should be familiar with life statistics	Life Statistics, Percentage and Rate	theoretical	Daily preparation Daily Exams (Quizzes) Bubble Sheet Exams
9	2	The student should be familiar with	Fertility Statistics	theoretical	Daily preparation Daily Exams (Quizzes)

		fertility statistics			Bubble Sheet Exams
10-9	2	The student should be familiar with the statistics of the disease	Disease Statistics , Life Tables	theoretical	Daily preparation Daily Exams (Quizzes) Bubble Sheet Exams
12	2	The student should learn the definition of health statistics and its sources	Definition and Sources of Health Statistics	theoretical	Daily preparation Daily Exams (Quizzes) Bubble Sheet Exams
13	2	The student should be familiar with the fields that are addressed by the Health Statistics	Fields Addressed by Health Statistics	theoretical	Daily preparation Daily Exams (Quizzes) Bubble Sheet Exams
14	2	The student should learn the methods of	Counting the causes of death Medical certificates,	theoretical	Daily preparation

		counting the causes of death, medical certificates , and death certificates .	cause, death, death certificate		Daily Exams (Quizzes) Bubble Sheet Exams
15	2	The student should learn about the statistics of health institutions	Statistics of Health Institutions	theoretic al	Daily preparation n Daily Exams (Quizzes) Bubble Sheet Exams

11. Course Rating: -

) The evaluation method is as follows: 30% for the quest and 70% for the final exam.

12. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Statistics Analysis Book
Main Reference(s)	Statistics
Recommended books and references (scientific journals, reports...)	The Book of Statistical Forecasti Methods by Dr. Adnan Majed Ab Rahman
References, Websites	Applied Methods for Research Analy and Preparation

Course Description Form

1. Course Name	
Human Rights and Democracy	
2. Course Code	
ATU117-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 30 Hours / Number of Units (Total): 2	
7. Course administrator name (if more than one name mentioned)	
Eng. Zaid Ahmed Khalil :Name Email: zaid.ibrahem.iba.102@atu.edu.iq	
8. Course Objectives	
Objectives of the course:	Objectives of the course: 1- The student learns about the principles and values of human rights, introduces them, and educates generations to respect and adhere to them. 2. Identify public freedoms and what these freedoms are in their details.

	3. The student learns about the continuous awareness of human rights and the fundamental freedoms associated with them. 4- Fights against anything that aims to ignore it, harm it, or harm its sanctity. 5. Identify the concept of democracy and its relationship to public freedoms.
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9. Teaching and Learning Strategies

Strategy	-1 .Lecture or Lecture Strategy -2 .Discussion strategy -3 .Brainstorming strategy 4- E-Learning Strategy
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10. Course Structure

The week	Watch es	Required Learning Outcomes	Unit Name or Subject	Learnin g method	Evaluatio n Method
1	2	The student should learn about the rights of Human beings and their goals	Human Rights – Definition – Objectives Human Rights in Ancient Civilizations , Especially the	theoretic al	Daily preparati on Daily Exams (Quizzes) Bubble Sheet Exams

			Mesopotami an Civilization		
2	2	The student should learn about the rights of Man in the heavenly laws	Human Rights in Divine Laws with a Focus on Human Rights in Islam	theoretic al	Daily preparati on Daily Exams (Quizzes) Bubble Sheet Exams
3	2	The student should be familiar with human rights in contemporary and modern history	Human Rights in Contempora ry and Modern History – Internationa l Recognition of Human Rights Since World War I and the League of Nations	theoretic al	Daily preparati on Daily Exams (Quizzes) Bubble Sheet Exams
4	2	The student should be familiar with the regional recognition of human rights in 1950	Regional Recognition of Human Rights European Convention on Human Rights 1950 American Convention	theoretic al	Daily preparati on Daily Exams (Quizzes) Bubble Sheet Exams

5		The student should get to know the non-governmental organizations	NGOs and human rights (ICRC, Amnesty International, Human Rights Watch, and national human rights organizations).	theoretical	Daily preparation on Daily Exams (Quizzes) Bubble Sheet Exams
6	2	The student should be familiar with human rights in the Iraqi constitutions between theory and reality	Human Rights in Iraqi Constitutions between Theory and Reality	theoretical	Daily preparation on Daily Exams (Quizzes) Bubble Sheet Exams
7	2	The student should learn about the relationship between human rights and freedoms	The Relationship between Human Rights and Freedoms 1. In the Universal Declaration of Human Rights. 2. In regional	theoretical	Daily preparation on Daily Exams (Quizzes) Bubble Sheet Exams

			charters and national constitutions		
8	2	The student should be familiar with economic, social, cultural, and civil human rights .	Economic, social, cultural human rights and civil and political human rights.	theoretical	Daily preparation on Daily Exams (Quizzes) Bubble Sheet Exams
9	2	The student should be introduced to modern human rights: Facts in Development – The Right to a Clean Environment – The Right to Solidarity – The Right to Religion	Modern Human Rights: Realities in Development – The Right to a Clean Environment – The Right to Solidarity – The Right to Religion	theoretical	Daily preparation on Daily Exams (Quizzes) Bubble Sheet Exams
10	2	The student should be familiar with the guarantees of respect for and protection of human	Guarantees of respect for and protection of human rights at the national level – Guarantees	theoretical	Daily preparation on Daily Exams (Quizzes) Bubble Sheet Exams

		rights at the national level. 2. The student should be familiar with the guarantees in the constitution and laws – the guarantees in the principle of the rule of law. 2- The student should get to know - Safeguards in constitutional oversight. 3. The student should be familiar with the guarantees of freedom of the press and public opinion – the role of NGOs in respecting and protecting human rights.	in the Constitution and laws – Guarantees in the principle of the rule of law Safeguards in constitutional oversight - Safeguards in freedom of the press and public opinion - The role of NGOs in respecting and protecting human rights		
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11	2	1. The student should be familiar with the guarantees, respect and protection of human rights at the international level: The role of the United Nations and its specialized agencies in providing safeguards The role of regional organizations (Arab League, European Union, African Union, Organization of American States, ASEAN). The role of regional international non-governmental organizations and public opinion in	Guarantees , respect and protection of human rights at the international level: The role of the United Nations and its specialized agencies in providing safeguards The role of regional organizations (Arab League, European Union, African Union, Organization of American States, ASEAN). The role of regional international non-governmental organizations	theoretic al	Daily preparati on Daily Exams (Quizzes) Bubble Sheet Exams
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		respecting and protecting human rights	ns and public opinion in respecting and protecting human rights		
12	2	The student should be introduced to the general theories of freedoms: the origin of rights and freedoms.	The General Theory of Freedoms: The Origin of Rights and Freedoms – The Legitimate Position on the Rights and Freedoms – The Use of the Term Public Freedoms .	theoretic al	Daily preparati on Daily Exams (Quizzes) Bubble Sheet Exams
13	2	The student should be familiar with the legal rule of the rule of law	The Shari'a Rule of Law	theoretic al	Daily preparati on Daily Exams (Quizzes) Bubble Sheet Exams
14	2	The student should be familiar with the	Regulation of public freedoms by	theoretic al	Daily preparati on

		organization of public freedoms	public authorities		Daily Exams (Quizzes) Bubble Sheet Exams
15	2	Introducing the student to equality: the historical development of the concept of equality	Equality: The Historical Development of the Concept of Equality - The modern development of the idea of equality Gender equality. - Equality between individuals according to their beliefs and race.	theoretical	Daily preparation on Daily Exams (Quizzes) Bubble Sheet Exams
11. Course Rating: -					
The method of evaluation is as follows: 30% for the quest and 70% for the final exam					
12. Learning and Teaching Resources					
Required Textbooks (Methodology, if any)			Democracy and Human Rights		
Main Reference (s)			The Methodology of Human Rights a Democracy		

Recommended books and references (scientific journals, reports...)	Democracy and Human Rights in Islam
References, Websites	

Course Description Form

1. Course Name
Arabic Language
2. Course Code
ATU1110-24-CM
3. Semester/Year
Semester One 2025-2026
4. Date this description was prepared
25-10-2025
5. Available Forms of Attendance
Presence
6. Number of Hours (Total) / Number of Credits (Total)
Number of Hours (Total): 30 Hours / Number of Units (Total): 2
7. Course administrator name (if more than one name mentioned)
Name: Assoc. Ashraf Mana Farhoud Email: ashraf.farhood@atu.edu.iq
8. Course Objectives

Course Objectives	The Arabic language aims to know the Arabic grammar, diacritic marks, correct pronunciation, and the choice of words according to their positions from Arabic sentences The student will get to know the following: 1. Arabic grammar 2. Knowledge of the original and sub-syntax marks 3. Knowledge of Quranic grammar and miracles
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9. Teaching and Learning Strategies

Strategy	-1 .Lecture or Lecture Strategy -2 .Discussion strategy -3 .Brainstorming strategy 4- E-Learning Strategy
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10. Course Structure

The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1	2	The student should learn on the linguistic errors – the tied, the long, and the open T.	Introduction to Linguistic Errors – Bound, Long, and Open T	Theoretical Lecture	Daily preparation Daily Exams (Quizzes) Bubble Sheet Exams
2	2	The student should learn the rules of writing the elongated and compartmentalized alphabet – solar and lunar letters.	Rules for writing elongated alphabet and compartment solar and lunar letters	Theoretical Lecture	

3	2	The student should get to know the D--D--D-	Dhaad and Dhaa	Theoretical Lecture	
4	2	The student should learn to write the hamza	Writing the Hamza	Theoretical Lecture	
5	2	The student should learn on punctuation	Punctuation	Theoretical Lecture	
6	2	The student should recognize the noun and the verb and differentiate between them	Noun and verb	Theoretical Lecture	
7	2	The student should get to know the effects	Effects	Theoretical Lecture	
8	2	The student should know the number	Issue	Theoretical Lecture	
9	2	The student should recognize common language mistakes	Language errors	Theoretical Lecture	
11	2	The student should distinguish between the noon and the noon	Nun and Tanween – Meanings of Prepositions	Theoretical Lecture	
12	2	The student should be familiar with the formal aspects of the	Formal aspects of administrative discourse	Theoretical Lecture	

		administrative discourse			
14-13	2	The student should learn the language of administrative discourse	The Language of Administrative Discourse	Theoretical Lecture	
15	2	The student should be familiar with samples of administrative correspondence	Administrative correspondence	Theoretical Lecture	

11.Course Evaluation

The method of evaluation is as follows: 30% for the quest and 70% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	The Book of Qur'anic Expression by Dr. Fadhil Samarraai Arabic grammar book
Main Reference(s)	Towards Arabic
Recommended books and references (scientific journals, reports...)	Topics in the Arabic Language (Grammar Morphology - Rhetoric - Dictionaries)

Course Description Form

1. Course Name	
Gynecological Nursing	
2. Course Code	
NUR211-24-CM	
3. Semester/Year	
Semester / First Semester 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Units (Total)	
Number of Hours (Total): 90 Hours / Number of Units (Total): 6	
7. Name of the course director (in case of more than one name)	
Name: Noor Mohammed Ibrahim Email: noor.ebraheem.iba109@atu.edu.iq	
8. Course Objectives	
Objectives of the study topic.	General Objectives: The pupil can be able to find out general information about maternity nursing. Specific Objectives: 1- Anatomy and physiology of the reproductive system. 2- Natural pregnancy, stages of pregnancy, natural labor and abnormal labor. 3- Labor complications . 4- Puerperium and puerperal complications. 5- Obstetrics and gynecology examination. 6- Characteristics of a newborn. 7- Breastfeeding and Breastfeeding Complications. 8- Contraceptive care.
9. Teaching and Learning Strategies	

Strategy

Theoretical Lecture Strategy: Based on the Explanation of Knowledge and Information

Directly from the teacher to the student.

Dialogue and Discussion Strategy: It aims to engage students with each other and with the teacher by asking questions and discussions on the topics raised

- ❖ Periodic testing strategy
- ❖ Write a report on study topics

Use illustrations and videos that match your educational content.

10.Course Structure

The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1	2	The student should get to know Anatomy and physiology of the internal reproductive system For Female	Anatomy and physiology of the female internal reproductive system (uterus, ovaries, fallopian tubes , vagina).	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2	2	The student should get to know Female Congenital Malformations and Their Importance	Female Congenital Malformations and Clinical Significance	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

3	2	The student should get to know Menstrual Physiology (Menstrual cycle)	Menstrual Physiology Menstrual Abnormalities – Menopause. Dysmenorrhoea Menorrhagia) Causes, signs, symptoms and nursing care	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
4	2	The student should get to know Puberty and its disorder	Puberty, its disorder and gynecological problems in adolescence	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6 & 5	2	The student should be familiar with the infection of the female reproductive system	Infections of the reproductive system (vulvar itching, vaginitis , cervix . HIV infection) causes, signs, symptoms, and nursing care .	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7	2	The student should recognize the fibroid in the uterus	Fibrous uterus. Genital prolapse. Ovarian cysts. Signs, Symptoms and Nursing Care	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8	2	The student should be familiar with the displacement of	Reproductive system displacement ,	theoretical	Daily preparation Daily exams (Cups)

		the reproductive system	urinary disorders in gynecology		Bubble Sheet Exams
9	2	The student should be familiar with the malignant lesions present in the uterus	Malignant uterine lesions. Ovarian and cervical signs, symptoms, and nursing care	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
& 10 11	2	The student should be familiar with the methods of hysterectomy	Pre- and post-operative nursing care, curettage and hysterectomy. Pre- and post-operative nursing care in gynecology	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
& 12 13	2	The student should be familiar with the organization of the family form (Hormonal and non-hormonal contraceptives)	Family planning (hormonal and non-hormonal contraceptives)	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
& 14 15	2	The student should recognize menopause	Menopause Physiological Changes Signs Symptom Management	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1	4	The student should learn the methods of guidance to leave the hospital	Guidance to leave the hospital	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3+2	4	The student should be familiar with the methods of evaluating gynecology	Patient's Gynecology Assessment (History)	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5+4	4	The student should learn about the evaluation of gynecology to examine the patient.	Gynecology Evaluation for Patient Examination	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7+6	4	The student should be familiar with the infection of the reproductive system	Reproductive tract infections	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8	4	The student should be familiar with the collapsed genital ovarian cysts	Fibrous uterus . Genital collapsed ovarian cysts, signs, symptoms, and nursing care	Practical	Daily preparation Daily exams (Cups)

					Bubble Sheet Exams
9	4	The student should be familiar with the malignant lesions present in the uterus	Malignant uterine lesions. Ovarian and cervical signs, symptoms, and nursing care	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11+10	4	The student should be familiar with the methods of curettage and hysterectomy	Curettage and hysterectomy surgery, pre and postoperative nursing care in gynecology	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
13+12	4	The student should be familiar with the family planning form (hormonal and non-hormonal contraceptives)	Family planning (hormonal contraceptives/non-hormonal contraceptives)	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15+14	4	The student should recognize the signs of menopause	Signs of Menopause Symptom Management	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam.

12. Course Evaluation

Required Textbooks (Methodology if any)	Tawfiq Al-Husseini - Pharmacology - Ministry of Health - Health Education Foundation - .1986
Main Reference(s)	B.R. Jones ((Pharmacology for the student and the nurse student)) William H. Medical Books Ltd.
Recommended books and references (scientific journals, reports...)	Lawrence – Clinical Pharmacology – Oxford London.

Course Description Form

Course Name	
Obstetric Nursing	
1. Course Code	
NUR221-24-CM	
2. Semester/Year	
Semester Two 2025-2026	
3. Date this description was prepared	
25-10-2025	
4. Available Forms of Attendance	
Presence	
5. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 90 / Number of Units (Total) 6	
6. Course administrator name (if more than one name mentioned)	
Name: Noor Mohammed Ibrahim Email: noor.ebraheem.iba109@atu.edu.iq	
7. Course Objectives	
Course Objectives	General Objectives: The pupil can be able to find out general information about maternity nursing. Specific Objectives: 1- Anatomy and physiology of the reproductive system. 2- Natural pregnancy, stages of pregnancy, natural labor and abnormal labor. 3- Labor complications . 4- Puerperium and puerperal complications. 5- Obstetrics and gynecology examination. 6- Characteristics of a newborn. 7- Breastfeeding and Breastfeeding Complications. 8- Contraceptive care.
8. Teaching and Learning Strategies	

Strategy	❖ Theoretical Lecture Strategy: It is based on explaining knowledge and information in a way Direct from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the topics raised. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content
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9. Course Structure

The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
11	2	The student should get to know Natural pregnancy and stages of pregnancy (ovulation, insemination, fertilization, implantation)	Normal pregnancy - signs and symptoms of pregnancy (assumed, probable and positive signs). Stages of pregnancy (ovulation, insemination, fertilization, implantation). Calculation of the expected date of delivery.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

22	2	The student should get to know Fetal size and development (umbilical cord, placenta, fetal membranes, amniotic fluid) 2. The student should learn about prenatal care and tips during pregnancy about rest, sleep, diet, exercise, and breast care.	The size and development of the fetus, the umbilical cord, the placenta, the fetal membranes, and the amniotic fluid. Prenatal care (nursing care and pregnancy advice on rest, sleep, diet, exercise, breast care).	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
3	2	The student should be aware of general complications during pregnancy (excessive gestational vomiting, hemorrhoids, heartburn, constipation, varicose	General complications during pregnancy are excessive gestational vomiting, hemorrhoids, heartburn, edema, constipation, varicose veins, anemia, DM.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

		veins, and anemia).			
4	2	The student should be familiar with pregnancy complications – high blood pressure, causes, signs and symptoms, complications, treatment and nursing care. Preeclampsia – causes, signs, symptoms, complications, treatment and nursing care.	Pregnancy Complications – High Blood Pressure Causes, Signs and Symptoms, Complications, Treatment and Nursing Care. Preeclampsia – Causes, Signs, Symptoms, Complications, Treatment and Nursing Care.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
& 5 6	2	The student should be aware of uterine bleeding during pregnancy before 28 weeks of pregnancy.	Uterine bleeding during pregnancy before 28 weeks of pregnancy. (Abortion and its types, ectopic pregnancy, virgin form) causes, signs, symptoms and nursing care.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

7	2	The student should recognize the bleeding after 28 weeks of pregnancy	Bleeding after 28 weeks of pregnancy (placenta previa and placenta spontaneous) Causes, signs, symptoms and nursing care.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
8	2	The student should be familiar with the preparation for natural labor	Preparing for natural labor . - Preparing pregnant women . - Advice on diet, exercise , perineal care , and walking. - Testing of uterine contraction, fetal heart and vaginal examination. Mechanism of labor (definition, causes, presentation, onset of labour 8 , rupture of membrane).	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
9	2	The student should be familiar with the mechanism of the first stage of labor. 2. The student should be	Mechanism of the first stage of labor. Mechanism of the second stage of labor. The mechanism of birth or signs of placental abruption.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

		familiar with the mechanism of the second stage of labor. 3. The student should be familiar with the mechanism of birth or the signs of placental abruption.			
10	2	The student should be familiar with the mechanism of the presentation of the fetus.	Fetal presentation . - Head – butt – transverse – face – umbilical cord, causes and nursing care. Mechanism of presentation.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
11	2	The student should be familiar with the methods of induction of labor	-Induction of labor. (Definition, Causes, Nursing Care). - Methods of induction of labor. - Rupture of the artificial membrane. - Delivery of forceps. - Episiotomy. - Version. - Vacuum. Causes, complications, and nursing care.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

12	2	The student should be familiar with the complications of labor	Labor complications. Stage I complications (rupture of the membrane, prolapse of the umbilical cord). Complications of stage II (uterine rupture, tears (signs and nursing care) uterine transcript (causes, signs, symptoms, and nursing care). Newborn (physical characteristics of the newborn baby). Nursing care (care of the eyes, umbilical cord, airway cleaning, weight, registration)	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
13	2	The student should get to know the postpartum stage	Puerperium (definition, normal duration of puerperium, physiological changes during the puerperium and nursing care. Puerperal infection (definition, causes, symptoms	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

			and nursing care). Endometriosis (signs, symptoms, and nursing care).		
14	2	The student should be familiar with the types and methods of breastfeeding	Breastfeeding (types, advantages and methods of breastfeeding). Nursing care and breastfeeding counseling. Breastfeeding complications (congestive mastitis, breast abscess) cause signs, symptoms, and nursing care.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
15	2	The student should be familiar with the cesarean section	Cesarean section – causes, types. Nursing care - pre- and post-operative care, complications and contraindications.	theoretical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method

1	4	The student should know the stage of pregnancy calculated by the expected date of birth	Pregnancy – Stage of pregnancy – signs and symptoms of pregnancy, calculated by the expected date of birth.	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
3+2	4	The student should be introduced to natural labor	Natural labor (signs of uterine contraction, real labor, baby screening, fetal heart, fetal position, and presentation in the delivery room.	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
5+4	4	The student should be familiar with the stages of labor	Stages of labor - stage one (dilation phase). - Second stage (childbirth). - Stage III (placental separation). Fetal heartbeat and cervical dilation . Testing for uterine contraction during labor.	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
6	4	The student should be familiar with the mechanism of labor	The mechanism of labor (identification, causes of labor , rupture of the membrane). The	Practical	Daily preparation Daily exams (KOs)

			mechanism of the child's birth.		Bubble Sheet Exams
7	4	The student should be familiar with the mechanism of placental separation	The mechanism of separating the placenta and the secret card. Placenta exam. Nursing care and counseling during the birth of the baby and placenta	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
8	4	The student should be familiar with the complications of labor	Labor complications (rupture of the membrane, prolapse of the cord, uterine rupture, rupture of the vagina and cervix), signs and symptoms, and nursing care.	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
10+9	4	The student should be familiar with the newborn test	Normal baby (newborn) newborn examination, reactions weight, height and color. Baby care (eye, umbilical cord, sucking, veeording).	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
-11+ 12	4	The student should know the normal	Puerperium (normal duration of the	Practical	Daily preparation

		duration of the puerperium.	puerperium, changes during the puerperium) Nursing care. Puerperary complications (puerperal infection, endometriosis, thrombocytopenia, urinary incontinence) causes, signs, symptoms, treatment and nursing care.		Daily exams (KOs) Bubble Sheet Exams
13	4	The student should learn about the advantages of breastfeeding and artificial feeding	Breastfeeding (breastfeeding and artificial feeding) Breastfeeding benefits Pre and post-feeding Nursing care and artificial feeding counseling. Breastfeeding complications. - Congestion, mastitis, signs, symptoms, and nursing care.	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

14	4	The student should recognize the abnormal birth	Abnormal delivery (prolonged labour and dystocia). Induction of labour – causes and nursing care . Methods of induction of labor episiotomy – rupture of the artificial membrane (causes and nursing care). Forceps delivery, void indication, causes, and nursing care.	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams
15	4	The student should be familiar with the cesarean section	Cesarean section – causes – pre and post-operative care.	Practical	Daily preparation Daily exams (KOs) Bubble Sheet Exams

10.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam.

11.Learning and Teaching Resources

Required Textbooks (Methodology any)	Tawfiq Al-Husseini - Pharmacology - Ministry of Health - Health Education Foundation - 1986.
Main Reference(s)	B.R. Jones ((Pharmacology for the student and the nurse student)) William H. Medical Books Ltd.

Recommended books and references (scientific journals, reports...)	Lawrence – Clinical Pharmacology – Oxford London.
References, Websites	Tawfiq Al-Husseini - Pharmacology - Ministry of Health - Health Education Foundation - 1986.

Course Description Form

1. Course Name	
Principles of Mental Health	
2. Course Code	
ONLY214-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 90 / Number of Units (Total): 6	
7. Course administrator name (if more than one name mentioned)	
Name: Salah Saeed Hashem Email: salah.hashim.iba@atu.edu	
8. Course Objectives	
Course Objectives	1. Identify the principles of psychiatric nursing 2- Preparing the student to meet the patient's psychological needs 3- Identifying the conditions that lead to psychological incompatibility 4- Identify mental illnesses, how to treat them, and ways to prevent them.
9. Teaching and Learning Strategies	

Strategy	Theoretical Lecture Strategy: Based on Knowledge Explanation The information is directly from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: It aims to engage students with each other and with the teacher by asking questions and discussions about Topics discussed. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match the content Educational.
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10.Course Structure

The week	Watch es	Required Learning Outcomes	Unit Name or Subject	Learnin g method	Evaluatio n Method
1st	2	The student should be familiar with the psychological crisis - the origin of the psychological crisis -	Psychological Crisis - The Origin of the Psychological Crisis Physical and physiological changes - new motivations Disturbances Adolescence - Social Factors - Trends	theoreti cal	Daily preparat ion Daily exams (Cups) Bubble Sheet Exams
2nd	2	The student should learn about the causes of	Causes of Psychological Crises - Material	theoreti cal	Daily preparat ion

		psychological crises	Obstacles - Personal Obstacles - Economic factors - personal defects - physical impairment - the effect of psychological defects		Daily exams (Cups) Bubble Sheet Exams
3rd	2	The student should be familiar with the concept of conflicts and their types	Conflict of Motivations, Psychological Conflict, Painful Conflicts, Conflict in Childhood, Conflict in Adolescence, Conflict in Adulthood, Emotional Conflict, Unconscious Conflict, Temporary Conflicts, Permanent Conflicts, The School of Psychoanalysis saw conflicts and their impact	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
4th	2	The student should be familiar with the sources of psychological crises	Sources of Crises Actions and Attitudes That Trigger The pricking of conscience.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	2	The student should be familiar with the methods of regression and the	Methods of regression Manifestations of regression	theoretical	Daily preparation

		manifestations of regression	Intentional and unintentional reversal		Daily exams (Cups) Bubble Sheet Exams
6th	2	The student should be familiar with the reverse formation:	- Emotional and subconscious factors formation Reverse	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7th	2	1. The student should be familiar with the concept of the lone frustration Surrender-Inaction - Suppression 2. The student should get to know on genetic factors that Leads to frustration 3. The student should get to know him. According to a school Psychoanalysis repression	The effect of trauma on the onset and increase of frustration. - Genetic factors that Leads to frustration The opinion of the school of psychoanalysis is repression- Types of suppression- Violent repression- Suppression Function	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8th	2	1- The student should be familiar with the concept of withdrawal	Withdrawal Crisis Situations - Factors	theoretical	Daily preparation

		and the factors leading to withdrawal. 2. The student should be familiar with the concept of mindfulness	Leading to Withdrawal - Forms of Withdrawal - Withdrawal and Apathy - Withdrawal and Flight - Withdrawal and Self-Relationship - Daydreaming		Daily exams (Cups) Bubble Sheet Exams
9th		The student should be familiar with the concept of compatibility and miscompatibility	Compatibility and miscompatibility- Harmony between the individual. New Circumstances Facing the Individual	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
10th	2	The student should get to know on Manifestations of misconformity	Manifestations of general misunderstanding . Images of bad appearances Overall Compatibility No Months Happily- Lack of production Ill health Psychological	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11th	2	The student should be familiar with	Genetic factors- Poor compatibility as	theoretical	Daily preparation

		genetic factors malcompatibili as you see it Psychology Schools	Psychology schools see it as normal and abnormal personalities. Statistical Standard- The Ideal Standard- The civilized criterion- Pathological Standard		Daily exams (Cups) Bubble Sheet Exams
12th	2	The student sho recognize the impac the repres psychological aspect In the process misalignment	The Impact Psychological Aspect Repressed Process Misalignment – Negative compatibility between different societies and between society	theoreti cal	Daily preparat ion Daily exams (Cups) Bubble Sheet Exams
13th	2	The student should be familiar with the psychological traumas that he faces during his public relationship	Trauma he faces during his public relationship	theoreti cal	Daily preparat ion Daily exams (Cups) Bubble Sheet Exams
14th	2	The student shoul et to know Habits and Attitud	Habits and Attitud	theoreti cal	Daily preparat ion Daily exams (Cups)

					Bubble Sheet Exams
15th	2	The student should be familiar with the effect of genetic factors On compatibility Psychological needs	Influence of genetic factors On compatibility Psychological needs	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
The week	Watches	Learning method required	Unit Name or Subject	Learning method	Evaluation Method
1st	2	1. The student should be familiar with the medical conditions in the hospital 2. The student should get to know the relationship between the patients and the staff working in the hospital. 3. The student should get to know the patient's relationship with his family.	- Hospital Cases - Patients' Relationship with Hospital Staff Doctor-Nurse – Patient's Relationship with His Family – Nature of Psychotherapy – Nature of Physical Therapy	Practical	Daily preparation Daily exams (Cups) Bubble Exams
2nd	2	1. The student should be familiar with	Mental Illness Cases - The Impact of	Practical	Daily preparation

		the cases of mental illnesses. 2. The student should be familiar with the impact of psychological crises and the extent of their behavior	Psychological Crises and the Extent of Their Behavior		Daily exams (Cups) Bubble Exams
3rd	2	The student should identify the factors that lead to mental illnesses and observe them behaviorally.	Factors that lead to mental illness and their behavioral observance The nature of compatibility and maladjustment and observing them in the field – the impact of psychological trauma on the behavioral of the psychiatric patient.	Practical	Daily preparation Daily exams (Cups) Bubble Exams
4th	2	The student should be familiar with the sources of psychological crises, direct contact with the patient, the study of the dream, dreams, and repressed factors.	Study of the sources of psychological crises - direct contact with the patient - study of the dream - dreams of sleep - repressed factors	Practical	Daily preparation Daily exams (Cups) Bubble Exams

5th	2	The student should recognize the regression. Methods of regression - manifestations of regression - Projection, Justification, Reasons for Justification, Forms of Justification, Nursing Care	Regression- Methods of regression - manifestations of regression - Projection, Justification, Reasons for Justification, Forms of Justification, Nursing Care	Practical	Daily preparation Daily exams (Cups) Bubble Exams
6th	2	The student should learn about the compensation Overload - Overcompensation Images- Reverse Formation and Phenomenon of Reverse Formation	Compensation Overload Image Overcompensation - Reverse Configuration And the phenomenon of formation Reverse	Practical	Daily preparation Daily exams (Cups) Bubble Exams
7th	2	The student should be familiar with the concept of the frustration mediator - Surrender - Lethargy 2. The student should get to know On the genetic factors leading frustration	Intermediate Concept Frustration - Surrender - Inaction Genetic factors that lead to frustration The Effect of Trauma on the Emergence of Frustration	Practical	Daily preparation Daily exams (Cups) Bubble Exams

8th & 9th	2	The student should recognize the withdrawal Studying the factors leading to withdrawal	Withdrawal Studying the factors leading to withdrawal. Daydreaming - Nature Practice Daydreaming The relationship between daydreaming and psychological activity. Aggression Mood	Practical	Daily preparation Daily exams (Cups) Bubble Exams
10th	2	The student should get to know Poor overall consensus Images of the manifestations of poor general consensus The Study of the Tabla - The Study of History Patients	Poor overall consensus Images of the manifestations of poor general consensus Tabla Study- Study of history Patients	Practical	Daily preparation Daily exams (Cups) Bubble Exams
11th	2	The student should get to know Normal and Abnormal Personalities- Statistical Criterion- Pathological Standard	Normal personalities And anomalous. Statistical Criterion- Pathological Standard	Practical	Daily preparation Daily exams (Cups) Bubble Exams

12th	2	The student should be familiar with the study of the written psychological aspect In the process of misalignment	Study of aspects of Psychological Writings in the Process of misalignment	Practical	Daily preparation Daily exams (Cups) Bubble Exams
13th	2	The student should be familiar with the psychological traumas that the patient faces during his general relations	Psychological trauma that the patient faces during his or her public relations	Practical	Daily preparation Daily exams (Cups) Bubble Exams
14th	2	The student should get to know On a study Habits and Trends Patient Psychiatric	Study habits and direction Patient psychiatric Factor Study which leads to Habits are not Normal	Practical	Daily preparation Daily exams (Cups) Bubble Exams
15th	2	The student should get to know Influence of genetic factors On Compatibility and Study Patient's Tympanum	Study the Impact of Factors Genetic on compatibility and psychological needs - Study of the patient's tympanum - Social Status	Practical	Daily preparation Daily exams (Cups) Bubble Exams
11.Course Evaluation					
The evaluation method is as follows: 40% for the quest and 60% for the final exam.					
12.Learning and Teaching Resources					

Required Textbooks (Methodology, any)	Abnormal Fundamentals Psychology Seventh Edition Ronald J. Corum Princeton University
Main Reference (s)	Fidebeck, S., L. (2018). Nursing Mental and Mental Health. Lippincott Williams & Wilkins. Sixth Edition
Recommended books and references (scientific journals, reports...)	Foundations of Clinical Mental Health Nursing Seventh Edition
References, Websites	Haber, J., Leach, A., M., and Chowdy, S., M: Inclusive Psychiatric Nursing, 2, Philadelphia: McGraw Hill Co., 1982.

Course Description Form

1. Course Name
Mental Health Nursing
2. Course Code
ONLY224-24-CM
3. Semester/Year
Semester 2025-2026
4. Date this description was prepared
25109-2025
5. Available Forms of Attendance
Presence
6. Number of Hours (Total) / Number of Credits (Total)
Number of Hours (Total): 90 / Number of Units (Total): 6
7. Course administrator name (if more than one name mentioned)
Name: Salah Saeed Hashem Email: salah.hashim.iba@atu.edu
8. Course Objectives

Course Objectiv	1. Familiarize yourself with the terminology of mental health nursing 2- Preparing the student to meet the patient's psychological needs 3- Identifying the conditions that lead to psychological incompatibility 4- Identify mental illnesses, how to treat them, and ways to prevent them.				
9. Teaching and Learning Strategies					
Strategy	❖ Theoretical Lecture Strategy: Based on Knowledge Explanation The information is directly from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with the teacher by asking questions and discussions about Topics discussed. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match the content ❖ Educational.				
10.Course Structure					
The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method

1st	2	The student should be familiar with the concept of anxiety, its types, and its treatment.	Anxiety: - Types of - Anxiety - Self-Concern - - Normal - Normal Objective Anxiety - Nervous anxiety - Anxiety treatment - Psychotherapy -Environmental Therapy - Social therapy - Chemotherapy	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
2nd	2	The student should be familiar with the cause of the concept of phobias and the factors that contribute to the emergence of the pathological state of phobias	The Concept of Phobias - The Nature of Phobia Contributing Fact On the back of the pathological stat phobias - types of phobias	theoretical	Daily preparation Daily exams (Cups) Bubble Exams

3rd	2	The student should be familiar with the concept of obsessive-compulsive disorder and its causes	The nature of authoritarian thoughts Obsession Reasons that lead to the provocation of obsession The beginning of the dynasty of authoritarian thoughts	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
4th	2	The student should be familiar with the concept of hysteria	The concept of hysteria – the motivations of hysteria – signs of the onset of hysteria in early childhood - Late childhood - Adolescence - Youth stage Hysterical Images Motor impairment	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
5th	2	1. The student should be familiar with the concept of the hypochondria and its relationship to other	The individual's preoccupation with his health in a pathological way The relationship of hypochondria to other mental illnesses Anxiety Depression - Hysterical hypochondria - The	theoretical	Daily preparation Daily exams (Cups) Bubble Exams

		mental illnesses . 2. The student should be familiar with the concept of depression	individual's feeling of the root is beyond normal in his general relationships		
6th	2	The student should be familiar with the concept of nervous tension and the factors that lead to nervous tension	Nature of Nervous Tension Images of Nervous Tension Neuroasthenia Understanding Neuroticism Factors that Lead to Nervous Tension	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
7th	2	The student should be familiar with the concept of schizophrenia and its causes	The concept of schizophrenia - definition of schizophrenia What is Schizophrenia - Limits of Schizophrenia Causes of Schizophrenia	theoretical	

			The time for schizophrenia has begun Like isolation		
8th	2	The student should get to know Causes of imagination, cases of schizophrenia and ways to treat it	Causes of Imagination Schizophrenia Methods of Schizophrenia Treatment such as Chemical Shock Electroconvulsive Treatment	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
9th & 10th		The student should be familiar with the concept of epilepsy, the types of epilepsy, and the factors that cause epilepsy.	The nature of epilepsy Factors that cause epilepsy Types of epilepsy such as occult epilepsy Postural epilepsy Types of epilepsy	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
11th	2	The student should get to know	The nature of psychotic depression -	theoretical	Daily preparation

		On the nature of Depression and its causes	Causes of psychotic depression - Factors that contribute to the emergence of psychotic depression - Types of psychosis - Recurrent manic psychosis		Daily exams (Cups) Bubble Exams
12th	2	The student should get to know The concept of the Al-Anshira hi and its types	Psychosis Spectrum - Recurrent Depressive Mania - Recurrent Depressive Depression - Depressive Psychotic Depression Treatment	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
13th	2	The student should be familiar with the concept of depressive psychoses	The nature of depressive psychosis Factors contributing to the appearance of depressive psychosis The onset of depressive psychosis Images of depressive psychosis	theoretical	Daily preparation Daily exams (Cups) Bubble Exams

14th	2	The student should be familiar with the concept of senile psychoses	Psychosis of old age – its nature – its causes – methods of care – mental disorders resulting from psychoses	Theoretical Lectures	Daily preparation Daily exams (Cups) Bubble Exams
15th	2	The student should be familiar with the general principles of mental health	General Principles of Mental Health – Psychological Burdens of Modern Civilization – Maintaining Mental Health – Mental Health in Society	Theoretical Lectures	Daily preparation Daily exams (Cups) Bubble Exams
The week	Watches	Learning method required	Unit Name or Subject	Learning method	Evaluation Method
1st	2	The student should be familiar with the study of psychological anxiety and its types	Study of psychological anxiety and its types such as neuro-subjective anxiety - methods of treating anxiety	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

			(environmental therapy - social therapy)		
2nd	2	The student should be familiar with the concept of phobia and its types	The concept of phobias - The nature of phobias Auxiliary factors - Types of phobia Nursing care	Practical	Daily preparation Daily exams (Cups) Bubble Exams
3rd	2	The student should be familiar with obsessive-compulsive disorder, auxiliary factors, and nursing care	Obsessive-Compulsive Disorder - Causes - Contributing Factors - Nursing Care	Practical	Daily preparation Daily exams (Cups) Bubble Exams
4th	2	The student should be familiar with hysteria, auxiliary	Hysteria- The location of the hysteria - symptoms - factors Help-Care Nursing	Practical	Daily preparation Daily exams (Cups) Bubble Exams

		ry factors, and nursing care			
5th	2	1. The student should be familiar with hypocrisy and its relationship with mental illnesses . 2. The student should be familiar with the concept of suicide and its causes.	Hypocrisy - The relationship between hypocrisy and mental illnesses such as anxiety and depression. Suicide and its causes - Factors - Nursing care	Practical	Daily preparation Daily exams (Cups) Bubble Exams
6th	2	The student should be familiar with the concept of nervous tension	Nervous Tension - Neurotic Stress Images Asthenia nervosa - Neurodegenerative understanding Actual Diseases and	Practical	Daily preparation Daily exams (Cups) Bubble Exams

			its Functional Relationship		
7th	2	The student should be familiar with the concept of schizophrenia and its causes	The concept of schizophrenia Definition of schizophrenia What is schizophrenia Limits of schizophrenia Causes of schizophrenia The time for schizophrenia has begun Like isolation	Practical	Daily preparation Daily exams (Cups) Bubble Exams
8th	2	The student should be familiar with the methods of treating schizophrenia such as chemical shock and electric shock treatment.	Methods of treating schizophrenia such as chemical shock - Electroconvulsion treatment - Pharmacological Therapy – Psychotherapy	Practical	Daily preparation Daily exams (Cups) Bubble Exams
9th	2	The student should get to know	Epilepsy Types of epilepsy Interview with the	Practical	Daily preparation Daily exams

		The concept of epilepsy and its types	patient's family - Teaching several cases		(Cups) Bubble Exams
10th	2	Training the student on nursing care during an epileptic seizure	Nursing care during an epileptic seizure – observing signs and symptoms	Practical	Daily preparation Daily exams (Cups) Bubble Exams
11th	2	The student should get to know Nature Depression Mentality	The Nature of Mental Depression Causes leading to depression Mindfulness Factors which helps to Depression Emerges Mindfulness	Practical	Daily preparation Daily exams (Cups) Bubble Exams
12th	2	The student should get to know the gradient of the obsession Manic depression	Spectrum Mania Recurrent Phalanic Mania - Depression	Practical	Daily preparation Daily exams (Cups) Bubble Exams

13th	2	The student should be familiar with the nature of oppressive psychoses	Nature of Oppressive Psychosis Contributing Factors in the Appearance of Oppressive Psychosis Onset Persecutive Psychosis Pictures	Practical	Daily preparation Daily exams (Cups) Bubble Exams
14th	2	The student should get to know The Concept of Aging Psychoses	Psychosis of old age – its nature – its causes – methods of care – mental disorders resulting from psychosis	Practical	Daily preparation Daily exams (Cups) Bubble Exams
15th	2	Training students to visit a nursing home to know the nature of health services provided to them	A visit to the nursing home to learn about the nature of health services and the nature of their recreational facilities	Practical	Daily preparation Daily exams (Cups) Bubble Exams
11.Course Evaluation					
The evaluation method is as follows: 40% for the quest and 60% for the final exam.					
12.Learning and Teaching Resources					

Required Textbook (Methodology, if any)	Abnormal Essentials Psychology Seventh Edition Ronald J. Corum - Princeton University
Main Reference(s)	Fedbeck, S., L. (2018). Nursing Mental and Mental Health. Libin Cote William & Wilkes. Sixth Edition
Recommended books and references (scientific journals, reports...)	Halter, M., G. Foundations of Health Nursing Clinical Psychomental Approach Varcarolis. Seventh Edition
References, Websites	Haber, J., Leach, A., M., and Shoddy, S., M. Includes. Psychiatric Nursing, 2, Philadelphia: Mosby Hill Company, 1982.

Course Description Form

1. Course Name	
Child's development and development	
2. Course Code	
NUR212-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 90 / Number of Units (Total): 6	
7. Course administrator name (if more than one name mentioned)	
Name: Prof. Dr. Abbas Razzaq Abdel Email: inb.abs3@atu.edu.iq	
8. Course Objectives	
Course Objectives	1- The student should be able to know the general information about the growth and development of the fetus and the child. 2. Identify the mechanism of development and growth and the causes of the defect 3. Patient Responsibilities and Nursing Care Delivery 4. Providing Advice and Health Education to Patients
9. Teaching and Learning Strategies	

Strategy	❖ Theoretical Lecture Strategy: Based on Knowledge Explanation The information is directly from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: It aims to engage students with each other and with the teacher by asking questions and discussions about Topics discussed. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.
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10.Course Structure

The week	Watch es	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st & 2nd	2	1. The student should get to know the new baby. 2. The student should be familiar with the measurement of weight, height and head)	The newborn (fetus) A trait of a newborn 1- Weight 2- Height 3- Skin 4- Newborn 5- Head 6- Chest 7- Muscles 8- Vital signs 9- Senses (eyes , sight, hearing, taste, smell, touch)	theoretical	Daily preparation Daily exams (Cups) Bubble Exams

			10- Nervous system (reflexes) (constipation, cloning, Darwinian reflex, coughing, sneezing, yawning, sucking, swelling, rooting reflex).		
3rd & 4th	2	1. The student should get to know the premature baby 2. The student should learn about the nursing care for premature babies, such as the method of administering oxygen through the incubator, nasal tube or mask.	Premature baby : - 1- Definition of a premature baby 2- The cause of the premature baby 3- Nursing care for premature babies 4- Nursing care during childbirth a. Nursing care in the incubator. B. Oxygen administration through (incubator, nasal tube or mask)	theoretical	Daily preparation Daily exams (Cups) Bubble Exams

5th & 6th	2	1. The student should learn how to maintain the premature infant with a constant temperature 2. The student should be familiar with the nutrition of the premature baby 3. The student should be familiar with the administration of medicines to the premature child.	- Keep preterm infants at a constant temperature - Early feeding (pelvic feeding, teaspoon feeding, drop feeding, Gavages Nutrition) - Administering Medications - Handling Preterm Infants in Bed - Monitoring Preterm Infants	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
7th	2	The student should be familiar with the stages of normal growth and development of the child.	Normal growth and development stages of the child. - Newborn, infant, preschool, Age Stage For school, Adolescence, Puberty.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams

8th	2	The student should be familiar with the factors of growth and development such as genetics, construction , and ethnic and national characteristics	Growth and development factors (heredity, structural) Makeup, ethnic and national characteristics A. Gender. B. Postpartum environment and postnatal environment. C. External environment	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
9th & 10th		The student should be familiar with the type of growth and development	Type of growth and development. 1- Body growth . 2- Developing muscle capabilities . 3- Mental development . 4- Emotional development . 5. Social development . 6- Teething.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
11th & 12th	2	The student should get to know Baby-like nutrition Breastfeeding Formula Feeding	Feeding the baby. Breastfeeding Natural. Afor lactation Synthetic. Types of weaning.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams

		Types of weaning	Feeding the baby at different ages.		
13th	2	The student should learn about the care of children for orphans	Child Care for Orphans	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
14th & 15th	2	The student should be familiar with the stages of development and accreditation	- Development and adoption stages. - Religion, and the criteria depend on the type of society. - Learning the child to create independence.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
The week	Watches	Learning method required	Unit Name or Subject	Learning method	Evaluation Method
1st & 2nd	4	The student should be familiar with the nursing care of the newborn	Nursing care for the newborn (normal). 1- Umbilical cord care with training in the use of equipment. 2- Neonatal nursing care with eyes,	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

			ears, noise and mouth With the practice of the equipment method and the child's position.		
&3rd 4th	4	Training the student in early care with the incubator	Training in early care with the incubator including: - Type of method of administering oxygen by means (incubator, nasal tube, mask). - Use of the method and counter-inference.	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	4	Training the student on early nutrition	Early feeding training including: - Pelvis feeding, Spoon feeding, Dropping feeding, and drying feeding.	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th &7th	4	The student should be familiar with the care of the newborn	Newborn training including:- 1- Bathing for the baby, resting, and	Practical	Daily preparation Daily exams (Cups)

			using sleep equipment. 2- The child's clothes and the way to use the equipment. 3- A special car for the genital area. 4- Nail care .		Bubble Sheet Exams
8th	4	The student should be introduced to the anatomy and films that appear about the growth and development of the child.	Anatomy and films showing about the growth and development of the child.	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
10th & 9th	4	The student should be familiar with the growth scale such as height, weight, pulse rate measurement, and biomarker measurement	Growth Scale . 1. Weight - use of equipment, method of exercise, position of the child and (record). 2- Height (use of equipment, method of practice, position of the child and (record). 3- Head Circuviraris	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

			(equipment uses, method of exercise, and Child's Position and Record). 4- Growth assessment, biomarker measurement. 1- Use the equipment, choose the method: A. The oral method B. Rectal Method C. The auxiliary method. 2- Pulse rate measurement – the method of using and recording the equipment. - Breathing rate and recording method.		
11th	4	The student should get know on Baby Nutrition. The infant Like breastfeeding Natural	Infant feeding. 1. Breastfeeding Breast Care by Mother's situation . 2- Industrial nutrition. Preparing baby formula	Practical	Daily preparation Daily exams (Cups) Bubble Sheet

		Formula Feeding	and equipment usage management		Exams
12th	4	The student should learn about the anatomy and show a film about malnutrition .	Anatomy and screening of a film about malnutrition disease .	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
13th	4	Training the student in management.	Management training.	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
14th & 15th	4	Training the student in the use of the equipment method including feeding by mating	Training in the uses of the equipment method including feeding by mating (Purpose, use of equipment, method of practice, re-coding, tube thinning).	Practical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11.Course Evaluation					
The evaluation method is as follows: 40% for the quest and 60% for the final exam.					
12.Learning and Teaching Resources					

Required Textbooks (Methodology, any)	Klaas, Kastrine and David. Results for highly pasteurized infants . Anesthesia and Analgesia, 120(6) , 1337.
Main Reference (s)	Davis, D.A. (201) Reproductive injustice: Racism, pregnancy a premature birth (Volume 7). New Yo University Press
Recommended books and references (scientific journals, reports...)	Badr, D., Kugelman, A., Boyl F., Levitsky, O., Lerner-Giva, L Riskin and the Newborn Network in Israel. (2010). Ris Factors The Death Estimation Tool among Very Premature Infants: A National Study. Pediatrics, 125(4), 696-703
References, Websites	Miro, Jr., A.C., & Hariharan, S. (2017). Photography in a children's e-book Health Ambassador - Science

Course Description Form

1. Course Name	
	Pediatric Nursing
2. Course Code	
	ONLY222-24-CM
3. Semester/Year	
	Semester 2025-2026
4. Date this description was prepared	
	25-10-2025
5. Available Forms of Attendance	
	Presence
6. Number of Hours (Total) / Number of Credits (Total)	
	Number of Hours (Total): 90 / Number of Units (Total): 6

7. Course administrator name (if more than one name mentioned)					
Name: Prof. Dr. Abbas Razzaq Abdel Eileel: inb.abs3@atu.edu.iq					
8. Course Objectives					
Course Objectives		1- The student should be able to know the general information about the child's diseases and how nursing care can be provided to the patient. 2. Identify the mechanism of disease occurrence, its causes, and risk factors Clinical signs, how to reduce complications, and pathogens 2. Patient Responsibilities and Nursing Care Delivery 3. Providing health advice and education to patients			
9. Teaching and Learning Strategies					
Strategy		❖ Theoretical Lecture Strategy: Based on Knowledge Explanation The information is directly from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: It aims to engage students with each other and with the teacher by asking questions and discussions about Topics discussed. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match With educational content.			
10.Course Structure					
The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method

1st	2	The student should be identified with malnutrition diseases	Malnutrition Diseases 1- Ceremonies 2- Rickets 3- Koashiokor. 4- Tetanus 5- Scurvy, Causes, Effective Factors, Nursing Care and prevention.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
2nd	2	The student should be familiar with nursing care with respiratory diseases.	Nursing Care with Respiratory diseases 1- Acute rhinitis (cold). 2- Tonsillitis 3- Ear infection Central.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
3rd	2	The student should be familiar with pneumonia	- Pneumonia, staphylococcus or nodular pneumonia - viral pneumonia, mechanical pneumonia - asthma	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
4th	2	The student should be familiar with the nursing care of the gastrointestinal tract	Nursing Care Gastrointestinal tract. 1. Intestinal upset - Acute (gastritis). 2- Gastrointestinal tract - inflammation of the intestines. 3- Abdominal colic.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams

5th	2	The student should recognize the symptoms of vomiting, diarrhea and constipation	4- Vomiting 5- Diarrhea 6- Constipation.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
6th	2	The student should be familiar with the congenital digestive system.	Congenital gastrointestinal tract. 1- Cleft lip . 2- Cleft palate. 3- Rectal obstruction .	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
7th	2	The student should learn the methods of nursing care for the urinary system system.	Nursing Care of the urinary condition system. 1- Acute glomerulonephritis. 2- Nephritis syndrome. 3- Nephritis (pelvic inflammation). 4- Kidney failure.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
8th	2	The student should learn the methods of nursing care for heart and blood diseases	Nursing care for heart and blood diseases 1- Anemia 2- Thalasemia 3- Leukemia 4- Hemophilia 5. Christmas 6. Congenital heart disease 7- Congestive heart failure	theoretical	Daily preparation Daily exams (Cups) Bubble Exams
9th		The student should learn about the	Nursing care of the nervous system 1. Mastoiditis	theoretical	Daily preparation

		methods of nursing care of the nervous system	2. Brain abscess and meningitis 3. Headache 4. Spina bifida		Daily exams (Cups) Bubble Exams	
10th	2	The student should be familiar with nursing care in infectious diseases	Nursing Care in Infectious Diseases 1. Pulmonary tuberculosis 2. Measles 3. Germany Measles 4. Mumps 5. Diphtheria 6. Whooping cough 7. Tetanus 8. Polio 9. Chickenpox 10. Hepatitis infection 11- Typhoid fever	theoretical	Daily preparation Daily exams (Cups) Bubble Exams	
11th	2	The student should be familiar with nursing care for endocrine disorders Endocrinology	Nursing Care For glandular disorders Endocrinology 1. Hypothyroidism 2. Hyperthyroidism Thyroid 3. Diabetes	theoretical	Daily preparation Daily exams (Cups) Bubble Exams	
12th	2	The student should get to know The impact of the polluting environment on the child's health	The impact of the polluting environment on the child's health 1. Cholera 2. Malta Fever Endemic disease and child health impact : - 1. Malaria	theoretical	Daily preparation Daily exams (Cups) Bubble Exams	

			2- Trema Toda 3. Tina Solium, Tina Saginata, Oxioris, NClestoma			
13th	2	The student should be familiar with the Center for Rehabilitation and Disability Prevention	Disabled Children : - 1. Definition of the disabled child. 2- Types of disability including: - (physical, mental). Rehabilitation Center . - Disability prevention and nursing care.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams	
14th	2	The student should learn ways to prevent children from accidents. 1- Poisoning 2- Burns 3- Injuries 4- Jumping at a high level or Accident or vehicular accident.	Preventing children from accidents. 1- Poisoning 2- Burns 3- Injuries 4- Jumping at a high level or Accident or vehicular accident.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams	
15th	2	The student should be familiar with nursing care for the dying child.	Nursing care for a dying child.	theoretical	Daily preparation Daily exams (Cups) Bubble Exams	
The week	Number of hours	Learning method required	Unit Name or Subject	Learning method	Evaluation Method	

1st	4	The student should be familiar with the internal venous fluid	Intravenous fluid definition, purpose, equipment, method of practice, history, dilution of canola.	Practical	Daily preparation Daily exams (Cups) Bubble Exams
2nd	4	The student should learn about the anatomy and the presentation of a film about a congenital gastrointestinal disorder.	Anatomy and presentation of a film about the disorder of the organ Congenital gastrointestinal.	Practical	Daily preparation Daily exams Oral Exams
3rd	4	The student should identify the urine sample for examination	Urine sample general examination including: - Method of preparation of the patient-Use of equipment--Total urine sample method. Blood sample examination including: - Patient's method of preparation - Use of equipment - Blood sample method	Practical	Daily preparation Daily exams Oral Exams
4th	4	The student should be familiar with the CSF sample	CSF Sample Testing: - Patient Preparation Method – Use of equipment – Method.	Practical	Daily preparation Daily exams (Cups) Bubble Exams

5th	4	The student should be familiar with the anatomy and movies presentation	Anatomy and Film Show	Practical	Daily preparation Daily exams (Cups) Bubble Exams
6th	4	The student should identify the stool sample for testing. - Patient preparation method. - Use of equipment – method.	Stool sample for examination - the patient's preparation method. - Use of equipment – method.	Practical	Daily preparation Daily exams (Cups) Bubble Exams
7th	4	The student should learn about the anatomy and show a film about infectious diseases	Anatomy presentation of a film about Infectious diseases	Practical	Daily preparation Daily exams (Cups) Bubble Exams
8th	4	The student should be familiar with the collection of a mucosal sample for examination, the method of preparing the patient, the use of equipment, and the method.	Mucosal sample for examination - method of preparation of the patient - use of equipment - method.	Practical	Daily preparation Daily exams (Cups) Bubble Exams
9th	4	The student should learn about the	Anatomy and presentation of a	Practical	Daily preparation

		anatomy and the presentation of a film about endocrine disorders.	film on endocrine disorders.		Daily exams (Cups) Bubble Exams	
10th	4	1. The student should be familiar with the anatomy and presentation of a film about the polluted environment. 2. The student should be familiar with the anatomy and presentation of a film about the endemic disease.	Anatomy and presentation of a film about the polluted environment. Anatomy and screening of a film about the endemic disease	Practical	Daily preparation Daily exams (Cups) Bubble Exams	
11th	4	The student should get to know On the anatomy A film about Care for the disabled	Anatomy and screening of a film about the care of the disabled	Practical	Daily preparation Daily exams (Cups) Bubble Exams	
12th	4	The student should be introduced to the anatomy and screening of a film about the child in the prevention of accidents.	Anatomy and presentation of a film about the child preventing accidents.	Practical	Daily preparation Daily exams (Cups) Bubble Exams	

13th	4	The student should be familiar with the method of caring for the child in the colostomy operation	How to care for a child with a colostomy- uses of equipment. Patient preparation method.	Practical	Daily preparation Daily exams (Cups) Bubble Exams
14th	4	The student should be familiar with the method of caring for the child with the trachotomy operation .	How to care for the child with trachostomy surgery. Equipment Uses. How to set up patient care.	Practical	Daily preparation Daily exams (Cups) Bubble Exams
15th	4	The student should learn about the anatomy and screening of a film about the dying child	Anatomy and screening of a film about the dying child	Practical	Daily preparation Daily exams (Cups) Bubble Exams

11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam.

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Klaas, Kastrine and David. Outcomes for highly pasteurized infants . Anesthesia and Analgesia, 120(6), 1337.
Main Reference (s)	Davis, D.A. (2019). Reproductive injustice: Racism, pregnancy and prenatu birth (Volume 7). New York Univers Press

Recommended books and references (scientific journals, reports...)	Badr, D., Kugelman, A., Boyko, F., Levitsky, O., Lerner-Giva, L., Riskin, A., ... Children's Network Newborns in Israel. (2010). Risk factors and mortality estimation tool among very preterm infants: a national study. Pediatrics 125(4), 696-703
References, Websites	Miro, Jr., A.C., & Hariharan, (2017). Photography in an eBook For children. Health Ambassador - Science

Course Description Form

1. Course Name	
Primary Health Care	
2. Course Code	
NUR213-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 90 / Number of Units (Total): 6	
7. Course administrator name (if more than one name mentioned)	
Name: Eng. Maryam Sadiq Abis Email: maryam.obayes@atu.edu.iq	
8. Course Objectives	
1. Identify primary health care. 2. Identify the units of the health center. 3. Planning a home visit 4. Familiarize yourself with school health services 5. The Nurse's Role in Maternity Care 6. The Nurse's Role in Organizing the School Card	Course Objectives
9. Teaching and Learning Strategies	

❖ Theoretical Lecture Strategy: It is based on explaining knowledge and information in a way Direct from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aims to engage students with each other and with The teacher by asking questions and discussions on the top raised. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match your educational content.	Strategy
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10.Course Structure					
Evaluation Method	Learning method	Unit Name or Subject	Required Learning Outcomes	Watch es	The week
Daily preparation Daily exams (Cups) Exams I wet	theoretical	Health, Public Health, Community Health	The student should know health, health, Public Health, Community Health	2	1
Daily preparation Daily exams (Cups) Exams I wet	theoretical	Assessment of the family's situation; Definition of the family, Information collection, Family Care	The student should get to know Family Assessment	2	2

Daily preparation Daily exams (Cups) Exams I wet	theoretical	Nursing Development Community Health , Elements Care Primary Health	The student should get to know Health Nursing Development Community, Elements Healthcare Priority	2	3
Daily preparation Daily exams (Cups) Bubble Exams	theoretical	Assess the case Community and Information Collection About the Community and analysis Information and Diagnostics Nursing For needs Health For the community Develop a plan for care Nursing, Running the plan	The student should get to know Community Status Assessment	2	5&4
Daily preparation Daily exams (Cups) Exams I wet	theoretical	Health Education - Objectives and means communication on Jamahiri	The student should get to know Health Education Objectives and means Mass Communication	2	6

Daily preparation Daily exams (Cups) Exams I wet	theoretical	Means Education – Usage Rule Means – The Nurse's Role In Health Education	The student should get to know Educational Aids and the rules for use 2. The student should get to know On the role of the nurse in Health Education	2	7
Daily preparation Daily exams (Cups) Exams I wet	theoretical	Maternity Care and childhood Importance and its objectives and taking care of the mother During Pregnancy	The student should get to know Maternity and Child Care Importance – and Objectives	2	8
Daily preparation Daily exams (Cups) Exams I wet	theoretical	Mother's care during Childbirth Maternal Care During a period of puerperium The Nurse's Role In Sponsorship Motherhood	The student should get to know Maternal care during childbirth Maternal care The Nurse's Role Maternity Care	2	10&9

Daily preparation Daily exams (Cups) Exams I wet	theoretical	Child Care Its importance Objectives Child Care Newborn- Baby Vaccines Infant- Child Care In the role Nursery	The student should get to know Child Care – Its Importance – Its Objectives	2	11
Daily preparation Daily exams (Cups) Exams I wet	theoretical	Home Visit Importance Objectives Planning Visit Household	The student should get to know Home Visit- Its Importance- Goal Planning Visit Household	2	12
Daily preparation Daily exams (Cups) Exams I wet	theoretical	Contact Methods Family Relations Reporting and Duties Nurse in Nursing Family	The student should be familiar with the methods of communication with the Lord. Family	2	13
Daily preparation Daily exams (Cups) Exams I wet	theoretical	Health School Objectives Services Health School School Healthy Environment	The student should get to know School Health – Objectives	2	14

Daily preparation Daily exams (Cups) Exams I wet	theoretical	Health Education School Nurse Role In organizing Card School	1. The student should get to know Health Education school. 2. The role of the nurse In organizing the card school.	2	15
Method Evaluation	Learning method	Unit Name Subject	Learning method required	Number of hours	The weight
Daily preparation Daily exams (Cups) Exams I wet	Practical	Meet Center Unit Healthy and his duties	The student should get to know Health Center Unit and his duties	4	1
Daily preparation Daily exams (Cups) Exams I wet	Practical	Assess the case Family Training on How to Rate Health Status For the family and full Evaluation Form Special In the family	The student should get to know Fill out the Family Assessment Form	4	2
Daily preparation Daily exams	Practical	Assess the case Community Training	The student should get to know the full Special Evaluation Form In the community	4	3

(Cups) Exams I wet		On how to evaluate Health Stat For the community and full Evaluation Form Special In the community			
Daily prepara n Daily exams (Cups) Exams I wet	Practical	Health Education Training On how Planning For Education Health and use Means Education	The student should get to know Health Education and training on how to Planning for Education Health	4	5&4
Daily prepara n Daily exams (Cups) Exams I wet	Practical	Maternity Care and childhood Training In Sponsorshi Pregnant women On how Weight and length measureme of the holde	Student Training Program Pregnant Woman Care On how Stand weight and measuring its length	4	7&6

Daily preparation Daily exams (Cups) Bubble Exams	Practical	Child Care Training in the Childhood unit on how to weigh Baby Measurement Tall and full Child Form	Training the student in the Childhood Unit on how to weigh the child, measure his height and fill out the child's form	4	8
Daily preparation Daily exams (Cups) Exams I wet	Practical	Home Visits Teams Participation Health Affiliate Center in Visit Household To get to know On the way Contact Barba Family And what is the role Nurse in Nursing Family	Training the student on home visits With the participation of teams Health Center	4	9
Daily preparation Daily exams (Cups) Exams I wet	Practical	Health School Meet Services Preventive and therapeutic Offering it the student School Board And what is the role Nurse in	The student should get to know School Health Identify the submission Preventive Services and the therapeutic treatment it provides For pupils and school staff	4	10

		Card Regulation School			
Daily preparation Daily exams (Cups) Exams I wet	Practical	Participate Visits School To learn about Procedures Followed in Service Delivery Health and get to know On how Fill out a form Environmental Detection For school and writing Reports	Training the student to participate In school visits to provide Health Services and How Report Writing	4	11
Daily preparation Daily exams (Cups) Exams I wet	Practical	Immunization against diseases: Learn how to keep vaccines from spoilage during use. Training on how to administer	1. The student should be familiar with immunization against diseases. 2. Keeping vaccines from damage during use. 3. Training the student to administer vaccines to pregnant women,	4	13&12

		r vaccines of all kinds, whether for pregnant women, children, or anyone else. Training on how to write down information in records, on the health card, and how to get rid of the secret of used vaccines and vaccines after work	children, or any other person. 4. Training the student on how to write down information in records and on the health card. 5. Training the student to get rid of the secret of used and vaccines after the end of school		
Daily preparation Daily exams (Cups) Exams I wet	Practical	Cold Chain: Familiarizing with the duties of those responsible for storing the vaccine in the health	The student should learn about the cold chain and the storage of vaccines in the health center's refrigerator	4	14

		center, learning about the equipment for transporting and storing the vaccine in the health center, and training on how to care for the vaccines in the health center's refrigerator.			
Daily preparation Daily exams (Cups) Exams I wet	Practical	Occupational Health – A visit to a laboratory to learn about the preventive services provided to workers. Breastfeeding Program Training.	The student should be familiar with occupational health	4	15

11.Course Evaluation	
The evaluation method is as follows: 40% for the quest and 60% for the final exam	
12.Learning and Teaching Resources	
Primary Health Care Book	Required Textbooks (Methodology, if an
Health, Health Care and Health Insurance Economi	Main Reference(s)
Introduction to Pub Health and Care Health & Social	Recommended books and references (scientific journals, reports...)
Hospital and Healthcare Management	References, Websites

Course Description Form

1. Course Name	
Community Health	
2. Course Code	
NUR223-24-CM	
3. Semester/Year	
Semester 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 90 / Number of Units (Total): 6	
7. Course administrator name (if more than one name mentioned)	
Name: Eng. Maryam Sadiq Abis Email: maryam.obayes@atu.edu.iq	
8. Course Objectives	
Course Objectives	1- The Nurse's Role in the Cold Chain 2- Prevention of infectious diseases 3- Prevention of Communicable Diseases 4- The Role of the Nurse in Occupational Health 5- The Role of the Nurse in Environmental Health

		6- Rural Health Services 7- School Nutrition Educational Programs
9. Teaching and Learning Strategies		
Strategy	❖ Theoretical Lecture Strategy: It is based on explaining knowledge and information in a way Direct from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aimed at students interacting with each other and with the teacher by asking questions and discussions on the topics raised. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match the educational content	

10.Course Structure					
The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1	2	The student should get to know Stages of vaccine distribution – Taking care of vaccines in the health center's refrigerator	Stages of vaccine distribution – Vaccine Care in Nurse Health Center Refrigerator in Series Cooling – Registration	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
2	2	The student should get to know Ways to prevent diseases	Disease prevention Ferry – its types Epidemic – Complicit diseases	theoretical	Daily preparation Daily exams (Cups)

		Ferry			Bubble Exam
3	2	The student should get to know Infection Process – Procedures followed To control it	- Infection process- Actions Towards the Source Diseases and causes.	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
4	2	The student should get to know Actions taken towards Environment	Actions Towards environment prevention Communicable diseases. International Procedures.	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
5	2	The student should get to know Occupational Health – Objectives	Occupational Health – Objectives – Factors Professional Impact In workers' health Inside the labs – Characteristics the environment The Lab and its Conditions	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
6	2	The student should get to know Healthcare Curriculum	Curriculum of Care Workers' Health – The role of the nurse	theoretical	Daily preparation Daily exams (Cups) Bubble Exam

		For Workers – The Nurse's Role in occupational health.	in occupational health.		
7	2	The student should get to know Environmental Health	Environmental Health – The Most Important Components of Environmental Health Healthy Housing Water Health	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
8	2	The student should get to know Air Health – Nutritional Health – Its Importance – Its Ingredients.	Air Health – Nutritional Health – Its Importance – Its Components.	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
10&9	2	Training the student on Waste disposal Etiology – The Nurse's Role In environmental health	Clarification of waste – its cause The Nurse's Role in Environmental Health	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
11	2	The student should get to know Food Menus - Factors Impacting the Nutrition of the Community	Food Menus – Factors Effective Nutrition Community – Nutrition Education Nutritional Educational Program – and Meals of the Nutrition Advisor	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
12	2	Training the student on School Nutrition Educational Programs.	Educational Programs School Nutrition	theoretical	Daily preparation Daily exams (Cups) Bubble Exam

13	2	The student should get to know Rural Health – Goa Problem priorities Health in the countryside.	Rural Health – Objectives are priorities Health problems in the countryside	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
14	2	The student should familiar with the health services in the Rural – Health Programs In the countryside	Health Services In the Countryside – Health Programs in the Countryside	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
15	2	The student should familiar with the therapeutic services	Therapeutic Services – Health Management – Modular System	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
The week	Number of Watched	Learning method required	The name of the unit or Subject	Learning method	Evaluation Method
1	4	Training the student to visit To liquefy water	Visit to Liquefaction	practical	Daily preparation Daily exams (Cups) Bubble Exam
2	4	Training the student on Healthy Nutrition: Visit To the Institute of Nutrition	Healthy Nutrition: Visit to the Institute Nutrition	practical	Daily preparation Daily exams (Cups) Bubble Exam

3	4	Training the student on Breastfeeding Program	Breastfeeding: Training On the program Breastfeeding A special movie Breastfeeding	practical	Daily preparation Daily exams (Cups) Bubble Exam
4	4	The student should get to know Feeding a child under 5 years of age	Feed recognition Child under 5 years old Years	practical	Daily preparation Daily exams (Cups) Bubble Exam
5	4	Training the student on Diarrhea Program in children.	Training Program Diarrhea in children, and how to prepare an oral rehydration solution.	practical	Daily preparation Daily exams (Cups) Bubble Exam
6	4	Training the student to show a film about the diarrhea program in children.	A Movie About Diarrhea in children.	practical	Daily preparation Daily exams (Cups) Bubble Exam
7	4	Training the student on Acute Respiratory Inflammatory Diseases (ARI) Program In children.	Training Program Acute Respiratory Inflammatory Diseases (ARI) In children.	practical	Daily preparation Daily exams (Cups) Bubble Exam
8	4	Training the student on A film about disease Acute respiratory syndrome for children.	The Movie Trail Respiratory diseases Acute for children	practical	Daily preparation Daily exams (Cups) Bubble Exam
9	4	Student Training In the tuberculosis unit.	Training in Tuberculosis Unit	practical	Daily preparation Daily exams (Cups) Bubble Exam

10	4	Training the student on Forced Therapy Program Duration	Training on the short-term treatment program Even the supervisors Direct (DOTS) To treat the injured tuberculosis	practical	Daily preparation Daily exams (Cups) Bubble Exam
11	4	Training the student on Early detection program About breast cancer 2. Identify the method Breast self-exam	Training Program Early detection of Breast cancer. Learn how to self-examine the breast	practical	Daily preparation Daily exams (Cups) Bubble Exam
12	4	The student should get to know On the medications used in the health center.	Identifying the medicines used in the health center	practical	Daily preparation Daily exams (Cups) Bubble Exam
13	4	1. Training the student in a unit Family Medicine 2. Training the student to organize family records.	Training in the Family Medicine Unit. Training in the organization of family records.	practical	Daily preparation Daily exams (Cups) Bubble Exam
14	4	The student should practice on On the Early Detection of Stress Program from Omaha 25 and up.	Training in the Early Detection Stress Program from the age of 25 and above. Training on Fill out forms Early detection For Reviewers.	practical	Daily preparation Daily exams (Cups) Bubble Exam

15	4	The student should practice on Omar Early Detection Program for Blood Pressure and Diabetes 45 and up	Training on the Early Detection Program Pressure and sugar Ages 45 and up. Training in the organization of Records for Hypertension and Diabetes Patients	practical	Daily preparation Daily exams (Cups) Bubble Exam
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11.Course Evaluation

The evaluation method is as follows: 40% for the quest and 60% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Primary Health Care Book
Main Reference(s)	Health, Health Care and Health Insurance Economics
Recommended books and references (scientific journals, reports...)	Introduction to Public Health and Health & Social
References, Websites	Hospital and Healthcare Management

Course Description Form

1. Course Name	
Pharmaceuticals	
2. Course Code	
NUR215-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
20-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Academic Hours (Total)30 / Number of Units (Total): 2	
7. Course administrator name (if more than one name mentioned)	
Name: Prof. Dr. Abbas Razzaq Abdel Eileel: inb.abs3@atu.edu.iq	
8. Course Objectives	
Course Objectives	The student should know:- 1- Basic pharmacology. 2- Drug activity. 3- Absorption and excretion of the drug. 4- Dosage and dosage form.
9. Teaching and Learning Strategies	

Strategy	1. Discussion of students and asking questions about the topic of the lecture 2. Explain the material in a consistent way that suits the initial inquiries and discussions of the topic, in addition to using the available means of illustration that help to establish the lesson realistically, in addition to addressing many solved examples. 3. Use feedback and assess the student's understanding of the material.
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10.Course Structure

The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1	2	The student should be familiar with pharmacokinetics	Pharmacokinetics and pharmacodynamics. Pharmaceuticals, Receptors	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2	2	The student should be familiar with the dosage estimate	Dosage estimate: factors affecting the dose. Pharmaceutical form.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3	2	The student should be familiar with the methods of	Methods of administering the drug orally; injections, skin, rectum, and	theoretical	Daily preparation Daily exams (Cups)

		administering the drug.	other methods. Drug Secretion		Bubble Sheet Exams
4	2	The student should get to know the autonomic nervous system	Autonomic nervous system; parasympathetic neurons acetylcholine; cholinergic drugs. Sympathetic nervous system: adrenaline ; Adrenaline medications. Effects on the body and its uses in medicine.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5		The student should be familiar with the uses of anti-drug drugs For Acids	Uses of antacid medications in the treatment of diarrhea Uses for constipation, laxatives and other medications used for peptic ulcers vomiting. Anticholinergic drugs; Uses of antacids; side effects; Medication used for spasticity	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

6	2	The student should be familiar with the medications used for the respiratory system	Expectorants, expectorants, bronchodilators . Uses of medications to treat asthma.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7	2	The student should be familiar with antihypertensive medications.	Diuretics Adrenaline blockers	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8	2	The student should be familiar with the medications used in diuretics and adrenaline blockers.	Diuretics are adrenaline blockers.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9	2	The student should be familiar with antihistamine medications	Antispasmodic medications. Nephron. Antibiotics used for nutrition. Histamine, histamine receptors, antihistamines, antihistamines, anti-H1 anti-H2.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

10	2	The student should be familiar with the use of penicillin medications	Category: Bacteriophage, Bactericidal Penicillin, Cephalosporin	theoreti cal	Daily preparat ion Daily exams (Cups) Bubble Sheet Exams
11	2	The student should be familiar with the insulin medications used for diabetes	It is used for diabetes. Insulin, blood sugar medications	theoreti cal	Daily preparat ion Daily exams (Cups) Bubble Sheet Exams
12	2	The student should be familiar with the medications used in the central nervous system	Medications used in the central nervous system. Analgesics, immunosedativ es, antiepileptic, antioxidants. Non-steroidal anti- inflammatory drugs, volta ren, mefenamic acid and medications are used for uric acid.	theoreti cal	Daily preparat ion Daily exams (Cups) Bubble Sheet Exams
13	2	1. The student should be familiar with	Glandular hormones Pituitary, Hormones	theoreti cal	Daily preparat ion Daily exams (Cups)

		pituitary hormones. 2. The student should be familiar with thyroid hormones.	Thyroid gland Vitamins: Types, Classification, Sources, Diseases Caused by Vitamin Deficiency		Bubble Sheet Exams
14	2	The student should be familiar with the medications used to treat anemia	Anemia , Anemia Treatment , Iron-Toxic Drugs, Toxic Dose, Lethal Dose.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15	2	The student should be familiar with poisoning with drugs such as digital, barbiturates, and other medications.	Mercury, lead and other metals Drug poisoning: such as digital, barbiturates, and other medications	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

11.Course Rating: -

The evaluation method is as follows: 30% for the pursuit and 70% for the final exam

12.Learning and Teaching Resources

Required Textbooks (Methodology, if any)	Tawfiq Al-Husseini – Pharmacology Ministry of Health – Health Education Foundation – 199
Main Reference(s)	B. R. Jones

	((Pharmacology for the student and the nurse student)) William H. Limited Medical Books .
Recommended books and references (scientific journals, reports...)	Lawrence – Clinical Pharmacology Oxford London

Course Description Form

1. Course Name	
Professional Ethics	
2. Course Code	
NUR216-24-CM	
3. Semester/Year:	
Semester One 2025-2026	
4. :Description Preparation Date	
25-10-2025	
5. Available Attendance Formats:	
Presence	
6. Number of Credit Hours (Total) / Number of Units (Total)	
Total Credit Hours: 30 Hours - Number of Units: 2	
7. Course administrator name (if there is more than one name mentioned)	
Name: M.M. Yasser Wissam Abdel Zahra Ema yassir.abdlzahera@atu.edu.iq	
8. Course Objectives	
Course Objectives	The Code of Nursing Ethics promotes fair treatment of

	All individuals condemn discrimination for any reason. This includes making sure that they are distributing care resources Sanitary limited upon need. By practicing Fair treatment, caregivers establish trusting relationships with Their customers.
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9. Teaching and Learning Strategies

Strategy	1. Discussion of students and asking questions on the subject of Lecture. 2. Explain the material in a consistent manner that suits the inquiries. and preliminary discussions of the topic in addition to the use of The available means of illustration that help to consolidate the lesson In addition to touching on many solved examples. 3. Using feedback and assessing the student's understanding of the material.
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10. Course Structure

Week	Watches	Required Learning Outcomes	Unit or Subject Name	Learning method	Evaluation Method
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1	2	1. The student should get to know Professional Behavior - Its Concept - Its Practical Applications. 2. The student should be familiar with the principles of professional ethics in the Stages of Cultural Development 3. The student should be familiar with the history of nursing and the beginning of nursing - Nursing in different religions - Nursing in the Early Islamic Era – Arab and Islamic civilization.	Professional Conduct - Definition - Concept - Practical Application - Relationship between employees and their president - Principles of Professional Ethics in Stages of Cultural Development -History of nursing Beginning of Nursing - Nursing in Different religions -Nursing in Early Islamic Civilization Arabic and Islamic.	theoretical	Daily preparation Daily exams (Cups) Bubble Exam
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2	2	1. The student should be familiar with modern nursing – nursing In Iraq – Career Development 2. The student should get to know the Professional Ethics and Nursing Definition of Profession – Rules Ethics - Rules of Ethics Profession - Etiquette - Ethics.	Modern Nursing – Nursing In Iraq – Career Development – Opening schools, institutes and colleges For nursing Professional Ethics and Nursing Definition of Profession Rules Ethics - Rules of Ethics Profession Etiquette - Ethics.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
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3	2	1. The student should get to know The Importance of Professional Ethics – Qualities and Ethics which must be available in the nurse. 2. The student should get to know the Characteristics of modern nursing. Professional constitutions and their benefits 3. The student should get to know the Definition of Ethics Constitution Profession - Benefits of Profession Constitutions 4. The student should get to know the Nursing Council Law International The primary responsibility of the nurse.	The Importance of Professional Ethics – Qualities And the ethics that must be present in the nurse. The Nurse Historical Roots Nursing Ethics - Characteristics of modern nursing. Professional constitution and their benefits - Definition of the law - Definition of the Code of Professional Ethics - Benefits of the Constitution of the Profession. Nursing Services Act - Nursing Humanity International	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
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			Nursing Council Law The primary responsibility of the nurse		
4	2	1. The student should get to know Nurse Relationship and Practice Profession. 2. The student should get to know the relationship between the nurse and her staff - the relationship between the nurse and the profession - Nurse-doctor relationship - The nurse's relationship with each other	Nurse and Relationship – Nurse-People Relationship Nurse Relationship and Practice Career - Nurse-community relationship - Nurse-staff relationship Nurse-profession relationship - Nurse-doctor relationship - The nurse's relationship with each other	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

5	2	The student should get to know Types and classification values and its effects on the practice of the profession	Values and their effect on the practice of Profession Definition of Values - Classification of Values - Nursing & Values - Formation of values - methods of forming values The Impact of Growth Values Acquisition of values - theoretical values - Economic values - Aesthetic values - Social values - - Religious values - Political Values	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
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6	2	The student should get to know Personal and Professional Values in Nursing	Personal and Professional Values in Nursing – Types of Values - Personal Values For the Nurse - Professional Values For the nurse	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7	2	The student should get to know Habits and their impact on nursing practice	Habits and their impact on nursing practice - Definition of habits - Types of habits - Motor habits - Intellectual habits - Emotional habits - Congenital habits.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

8	2	The student should get to know Habits that should be Commitment to it or change it	Habits and Nursing – Habits to adhere to or change – Ways to develop habits – Means of developing habits – Ways to correct habits – Religion – Tradition	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9	2	The student should get to know Importance in the study of personality – Roll Up Theory - Schilleron - Jung's Theor	Personality Meaning of Personality Personality Definition - Theories Importance in the study of personality Roll Up Theory - Schilleron - Jung's Theory	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

10	2	The student should get to know Personality types	Personality types – Introverted Humanistic Hysterical Depressive - Volatile - Anxiety - Obsession - Suspicious – Aggressive	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11	2	The student should get to know Nurse's appearance and costume Professional Nursing	Nurse's appearance and costume Professional Nursing – Rules The duties of the nurse Personal and professional qualities For the Nurse - Professional Standards that the nursing profession requires.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

12	2	The student should get to know The Nurse's Role in Some Professional Attitudes in the Hospital	The Nurse's Role in Relation to In some professional positions in Hospital for some practices - Negligence - Falls - - Mistakes Resulting from the administration of medication - Drops - - Burns - - Suicide Practice of medicine – Property Conservation Patient Profile – Not observing and recording information.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
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13	2	The student should be familiar with the systems, instructions and factors affecting the provision of mental health for the individual	Regulations and Instructions - The importance of adhering to the application of regulations and instructions - The role of the nurse in obeying and implementing the regulations and instructions. Mental Health and How to Prevent It - Definition of Mental Health - Factors Affecting the Provision of Mental Health to the	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
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			Individual - Ma Slough Hierarchy y - Preventio n of Mental Illnesses - Foundati ons and Goals to be Adopted as a Guide to the Nurse's Work.		
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14	2	The student should be familiar with the occupational health and safety of hospital workers .	Occupational Health and Safety for Hospital Workers - Division of Hospital Workers - Occupational Risks to the Medical Group Prevention of occupational hazards - Prevention of hazards and accidents at work - Prevention of the risks of bacterial and radioactive contamination - Prevention of the	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
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			risk of diseases		
15	2	The student should get to know Behavioral Handling With Hardware and medical equipment.	Behavioral handling of devices Medical Equipment Daily review of devices, instrument and solutions. - Supplies and preparation for work Al-Dimi, its maintenance and maintenance and its preservation – Preparation of the necessary medicines and disposal of them properly. Applications in Professional Behavior.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

11.Course Assessment :

The method of evaluation is as follows: 30% for the quest and 70% for the final exam

12.Learning and Teaching Resources

Required textbooks (curriculum books if available)	Ethics
Main References (Sources)	Ethics and Job Conduct
Recommended Books a References (Scientific journals, reports...)	Ethics between theory and education

Course Description Form

1. Course Name	
Nutrition and Therapeutic Nutrition	
2. Course Code	
ONLY225-24-CM	
3. Semester/Year	
Semester 2025-2026	
Date this description was prepared	
25-10-2025	
4. Available Forms of Attendance	
Presence	
5. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total):30 / Total Number of Units:2	
6. Course administrator name (if more than one name mentioned)	
Name: Eng. Yasser Wissam Abdel Zahra Email: yassir.abdlzahera@atu.edu.iq	
7. Course Objectives	
	The student should be able to know 1- Foundations of nutrition and nutritional processing Knowledge of dietary directives and nutritional needs of nutrients. 2- Choice of diets . 3- Patient Nutrition and Special Cases
8. Teaching and Learning Strategies	

Strategy	.1 Discussion of students and asking questions about the topic of the lecture .2 Explain the material in a consistent way that suits the initial inquiries and discussions of the topic, in addition to using the available means of illustration that help to establish the lesson realistically, in addition to .addressing many solved examples 3. Use feedback and assess the student's understanding of the material.
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9. Course Structure

The week	Watch es	Require d Learnin g Outcom es	Unit Name or Subject	Learning method	Evaluation Method
1	2	The student should get to know Healthy Nutrition	Healthy Nutrition – The Importance of a Balanced Food – How the Body Uses Food – Daily Dietary Metrics and Recommendations – Nutritional Needs of Individuals	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

2	2	The student should get to know Nutrients present in food	Nutrients in food – Carbohydrates – their classification – functions – Carbohydrates in food – Carbohydrate needs – Tooth decay.	theoretical	
3	2	The student should get to know Fats and fatty acids Core	Fats – Essential fatty acids – The role of body fat – Fat in food – Nutritional needs – The relationship of lipids to heart disease and cancer	theoretical	
4	2	The student should get to know Proteins and	Proteins – Amino Acids – Food as a Source of Amino Acids –	theoretical	

		amino acids	Functions of Proteins – Need for Proteins – Food Sources		
5	2	The student should learn about water and its distribution in the body	Water – its distribution in the body – its functions – individual water requirement for electrolytes in the body – sodium – potassium – chloride – mineral salts – calcium – iron – iodine	theoretical	
6	2	The student should get to know Fat-soluble vitamins 2. The student	Fat-soluble vitamins K.D.A., water-soluble vitamins C,B12,B6, B1,B Folic acid.	theoretical	

		should be familiar with water-soluble vitamins			
7	2	The student should be familiar with the choice of diets	Selection of diets – Food classification – The four food groups – The nutritional value of food groups. Vegetarian Food – Natural (Healthy) Food – Nutrition Education	theoretical	
8	2	The student should be familiar with the nutritional status	Nutritional status assessment – medical and clinical evaluation – laboratory and biochemic	theoretical	

		assessment	al evaluation – evaluation of physical measures.		
9	2	1. The student should get to know Food Consumption Assessment - Epidemiological Research Methods in the Field of Nutrition. 2. The student should be familiar with the nutritional problems in the world and in	Assessment of Food Consumption – Methods of Epidemiological Research in the Field of Nutrition. - Nutritional problems in the world and in Iraq, especially nutritional deficiency syndromes , nutritional anemia, goiter gland, rickets, protein and energy deficiency.	theoretical	

		Iraq, especiall y nutritio nal deficienc y syndrom es, nutritio nal anemia, goiter enlarge ment, rickets, protein and energy deficienc y.			
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11-10	2	1. The student should get to know Nutrition during pregnancy and nutritional need 2. The student should be familiar with nutrition in early childhood and nutritional needs. 3. The student should be familiar with the nutrition of adolescents and the nutritional	- Nutrition during pregnancy Nutritional needs. - Nutrition during lactation, nutritional needs. Early childhood nutrition – nutritional need. Adolescent Nutrition – Nutritional Needs – Factors Affecting Adolescent Nutritional Need. - Nutrition of the elderly – factors affecting food consumption – problems of the elderly – nutritional needs.	theoretical	
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		needs of adolescents. 4. The student should be familiar with the nutrition of the elderly, the factors that affect food consumption, the problems of the elderly, and the nutritional need.			
13-12	2	1. The student should get to know Nutrition for people with diabetes.	Diabetes – Diabetes Nutrition – Factors that Lead to the Appearance of Diabetes	theoretical	

		2. The student should get to know the Factors that lead to Obesity. 3. The student should be familiar with gastroin testinal diseases. and feeding people with diseases Gastroin testinal tract. 4. The student should be familiar with liver and gallblad	– Nutritional therapy . Obesity – Factors that lead to obesity – Nutritional therapy . - Gastrointe stinal diseases - Nutrition of people with gastrointes tinal diseases - Types of diseases affecting the digestive system - Nutritional therapy. - Liver and gallbladde r diseases - Nutrition for people with liver diseases - Nutritional therapy - Nutrition		
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		der diseases. and nutritio n for people with liver and gallblad der diseases. 5. The student should be familiar with kidney diseases, nutritio n for patients with kidney diseases, and physical therapy. 6. The student should be familiar with heart diseases,	for people with bile duct diseases - Nutritional therapy. - Kidney diseases - nutrition for patients with kidney diseases - physiother apy - Cardiology – Nutrition for people with heart disease – Physical therapy		
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		nutrition for people with heart diseases, and physical therapy.			
14	2	The student should learn about cancer and food	Cancer and food	theoretical	
15	2	The student should be familiar with nutrition in the case of infectious diseases	Nutrition in the case of infectious diseases	theoretical	
10.Course Rating:					
The method of evaluation is as follows: 30% for the quest and 70% for the final exam					
11.Learning and Teaching Resources					
Required Textbooks (Methodology, if any)			Therapeutic Nutrition		

Main Reference(s)	Healthy Nutrition and a Healthy Body
Recommended books and references (scientific journals, reports...)	Continuous feedback

Course Description Form

1. Course Name	
Computer and Artificial Intelligence	
2. Course Code	
ATU227-24-CM	
3. Semester/Year	
Semester 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
Number of Hours (Total): 45 Hours / Number of Units (Total): 2	
7. Course administrator name (if more than one name mentioned)	
Name: Mohamed Faris Naji Email: mohammed.naji@aut.ed.iq	
8. Course Objectives	
Course Objectives	1- Employing the work of computers to serve the activities of the university and automate its work, train its staff and students, and develop their professional skills to prepare specialized technical staff capable of creating the connection between the scientific, technical and administrative components and thus the success of the institutional work.

	2- Supporting scientific research by providing technical and technical support to researchers. 3- Highlighting the role of the university in raising the efficiency of institutional performance in the society by training the cadres of the state departments and the private sector to work on computers to accomplish office work in various institutions. 4- Strengthening the partnership between the university and civil society institutions by extrapolating the renewed needs of the community and targeting them with consulting services. 5. Commitment to the application of quality standards and the evaluation of institutional capacity and educational effectiveness periodically. 6- A link between the university and the outside world through the website.
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9. Teaching and Learning Strategies

Strategy	Theoretical Lecture Strategy: It depends on explaining knowledge and information directly from the teacher to the student. ❖ Practicality Strategy ❖ Dialogue and Discussion Strategy: Aimed at student interaction
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	❖ with each other and with the teacher by asking questions and discussions on the topics raised. ❖ Periodic testing strategy ❖ Write a report on study topics ❖ Use illustrations and videos that match ❖ With educational content.
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10. Course Structure

The week	Weeks	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1st	1	The student should be familiar with security and networks	Security and Networks: What is a Network? Types of networks. Its Core Ingredients	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2nd	1	The student should get to know On the ingredients Basic For Networking	Security and networks (continued) Essential components of networks	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3rd	1	The student should get to know on Network errors and fix it	Security and networks (continued): fundamentals of network security. Understand network threats.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

			Network troubleshooting		
4th	1	The student should be familiar with common network problems and their symptoms	Security and networks (continued): Introduction to network troubleshooting, common network problems and symptoms, network troubleshooting tools and software.	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5th	1	The student should be familiar with the use of command line tools	Security and networks (continued): Use command-line tools to diagnose, troubleshoot connectivity issues, and diagnose network performance issues	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6th	1	The student should get to know on E-commerce	E-commerce: Concepts of e-banking, including online banking: ATM and debit card services	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

7th	1	The student should get to know Phone Banking	E-commerce (continued): Banking By phone SMS banking, alerts, and Mobile Banking	theoretical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams
8th	1	The student should get to know on Troubleshooting Computer and fix it	Computer Troubleshooting : Introduction to Computer Troubleshooting, Common Hardware Problems and Solutions, Software Diagnostics and Problems	theoretical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams
9th	1	The student should get to know on Hardware Components	Computer Troubleshooting (continued): Hardware Components: Diagnosis and Repair, Using Safe Mode for Troubleshooting	theoretical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams
10	1	The student should get to know on System error Operating Blue Screen	Computer Troubleshooting (continued): Blue Screen System Troubleshooting and	theoretical	Daily preparation on Daily exams (Cups)

			Troubleshooting, Dealing with Slow Computer Performance Booting and Fixing, Troubleshooting		Bubble Sheet Exams
11th	1	The student should get to know on Removal Techniques Viruses	Computer Troubleshooting (continued): Virus and Jun Removal Techniques Update and Update Drivers	theoretical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams
12th	1	The student should get to know on Artificial Intelligence	Production to Artificial Intelligence: Definition, History, Techniques and Methodologies	theoretical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams
13th	1	The student should get to know Key Features For Artificial Intelligence	Introduction to Artificial Intelligence (continued): Key characteristics of AI, benefits, challenges and ethical considerations	theoretical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams

14th	1	The student should get to know Limitations of AI	Introduction to Artificial Intelligence (continued): Challenges and Limitations of Artificial Intelligence, the Role of Data in Artificial Intelligence Systems	theoretical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams
15th	1	The student should get to know on Tools and frameworks Artificial Intelligence	Introduction to Artificial Intelligence (continued): AI tools and frameworks	theoretical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams
The week	Number of hours	Learning method required	Unit Name or Subject	Learning method	Evaluation Method
1st	1	The student should get to know The Role of Artificial Intelligence	The Role of AI in Modern Smartphones: AI-Powered Mobile Technologies, Virtual Assistants (Siri, Google Assistant, Alexa)	practical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams

2nd	1	The student should get to know on Translation Services Instant	The Role of Artificial Intelligence In phones Modern Smart (continued) Adaptive learning Translation Services Instant	practical	Daily preparati on Daily exams (Cups) Bubble Sheet Exams
3rd	1	The student should get to know on The Role of Intelligence Artificial In phones Smart Modern	The Role of Artificial Intelligence In phones Smart Al-Haditha (continued) The Future of Intelligence Artificial In technology Smartphones Challenges Applying Artificial Intelligence in Mobile Devices	practical	Daily preparati on Daily exams (Cups) Bubble Sheet Exams
4th	1	The student should get to know Artificial Intelligence Applications and Tools	Artificial Intelligence Applications and Tools Overview of AI applications in various industries, education, and healthcare	practical	Daily preparati on Daily exams (Cups) Bubble Sheet Exams

5th	1	The student should be familiar with the applications and tools of artificial intelligence (continued) Transport and advertising	Artificial Intelligence Applications and Tools (continued) Transport and advertising	practical	Daily preparati on Daily exams (Cups) Bubble Sheet Exams
6th	1	The student should get to know on Artificial Intelligence Applications and Tools (continued) Funding and robotics and automatio technologies	Artificial Intelligence Applications and Tools (continued) Finance, robotics and automation technologies	practical	Daily preparati on Daily exams (Cups) Bubble Sheet Exams
7th	1	The student should get to know On Marketing Smartly Artificial	Applications and artificial intelligence too (continued): AI Marketing :Targeting and Personalization	practical	Daily preparati on Daily exams (Cups) Bubble Sheet Exams
8th	1	The student should get to know On Image Analysis And the video i smart	Applications and artificial intelligence too (continued): Image Analysis and video Smartly	practical	Daily preparati on Daily exams (Cups)

		Synthetic, Smart Cities	Synthetic, Smart Cities		Bubble Sheet Exams
9th	1	The student should get to know on Future Trends Apps and Tools Artificial Intelligence	Apps & Tools Artificial intelligence (continued): Future Trends Artificial intelligence applications and tools.	practical	Daily preparati on Daily exams (Cups) Bubble Sheet Exams
10	1	The student should get to know on The Role of Intelligence Artificial In promoting public safety	Artificial Intelligence And the community: Introduction Artificial Intelligence and its societal impact, and the role of artificial intelligence In promoting public safety	practical	Daily preparati on Daily exams (Cups) Bubble Sheet Exams
11th	1	The student should get to know The Role of Artificial Intelligence and Governance: Political Implications	Artificial Intelligence and Society (continued): Cultural Perspectives on Adoption, Artificial Intelligence and Governance: Political Implications	practical	Daily preparati on Daily exams (Cups) Bubble Sheet Exams

12th	1	The student should get to know on Transparency Artificial Intelligence Systems and its interpretability	Ethical Challenges In intelligence Synthetic: Introduction to Ethics Artificial Intelligence, Transparency of AI Systems and its interpretability Privacy concerns in data use	practical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams
13th	1	The student should get to know Ethical Implications of Autonomous Systems, Ethics in AI-Driven Marketing and Advertising	Ethical Challenges in Artificial Intelligence (continued): Ethical Implications of Autonomous Systems, Ethics in AI-Driven Marketing and Advertising	practical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams
14th	1	The student should get to know Ethical Challenges in AI	Ethical challenges in AI (continued): ethical considerations in education, human rights and the	practical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams

			application of AI		
15th	1	The student should get to know Future Trends in Artificial Intelligence	The Future of AI: Future Trends in Artificial Intelligence, Modern Research, and Emerging Technologies	practical	Daily preparation on Daily exams (Cups) Bubble Sheet Exams
11.Course Evaluation					
The evaluation method is as follows: 40% for the quest and 60% for the final exam					
12.Learning and Teaching Resources					
Required Textbook (Methodology, if any)		Computer Basics and Off Applications			
Main Reference (s)		William Stallings, (2003), Computer Organization and Architecture, Sixth Edition, Educating People Donald H. Sanders, (1995), Computer Today, Second Edition, McGraw-Hill Lectures Delivered by Subject Instructor Books available in the college library			
Recommended books and references (scientific journals, reports...)		All reputable scientific journals related to computer science and artificial intelligence, and scientific journals for solid research published on social networks.			
References, Websites					

Course Description Form

1. Course Name	
Arabic Language	
2. Course Code	
ATU228-24-CM	
3. Semester/Year	
Semester One 2025-2026	
4. Date this description was prepared	
25-10-2025	
5. Available Forms of Attendance	
Presence	
6. Number of Hours (Total) / Number of Credits (Total)	
30 Hours / 2 Units	
7. Course administrator name (if more than one name mentioned)	
Name: Assoc. Ashraf Mana Farhoud Email: ashraf.farhood@atu.edu.iq	
8. Course Objectives	
Course Objectives	The Arabic language aims to know the Arabic grammar, diacritic marks, correct pronunciation, and the choice of words according to their positions from Arabic sentences The student will get to know the following: 1. Arabic grammar

			2. Knowledge of the original and sub-syntax marks		
			3. Knowledge of Quranic grammar and miracles		
9. Teaching and Learning Strategies					
Strategy	1. Lecture or lecture strategy.				
	2. Discussion strategy.				
	3. Brainstorming strategy.				
	4. E-learning strategy.				
10.Course Structure					
The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1	2	The student should be familiar with the original diacritic marks	Original diacritic signs (damma, opening, and fraction)	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2	2	The student should know the nominal sentences	Nominal Sentence (Types of Beginner and Beginner)	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
3	2	The student should get to know	Anne and her sisters	theoretical	Daily preparation

		that and her sisters			Daily exams (Cups) Bubble Sheet Exams
4	2	The student should differentiate between (that and one)	(N One)	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5	2	The student should be familiar with the five verbs	The five verbs	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6	2	The student gets to know Kan and her sisters	He and her sisters	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
7	2	The student should learn from the	Language errors	theoretical	Daily preparation Daily exams (Cups)

		language mistakes			Bubble Sheet Exams
8	2	The student should get to know Muthanna and its expressions	Muthanna and its Arabs	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9	2	The student should be familiar with the Qur'anic expression	Qur'anic expression (grammatically in terms of sentence and text structure and rhetorical in terms of artistic effect)	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11	2	The student should get to know the poet Badr Shaker Al-Sayyab	Poet Badr Shaker Al-Sayyab	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
12	2	The student should be familiar with the linguistic	Linguistic information (synonyms and antonyms, linguistic distinctions and	theoretical	Daily preparation Daily exams (Cups)

		information	grammatical equations)		Bubble Sheet Exams
-13 14	2	The student should be familiar with the types of plurals (masculine plural, feminine plural, taksir plural)	Types of plurals (masculine plural, feminine plural, takser plural)	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15	2	The student should be familiar with grammar engineering (Arabic grammar in the educational board, language corrections)	Grammar Engineering (Arabic grammar in the educational board, linguistic corrections)	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11.Course Rating:					
the The method of evaluation is as follows: 30% for the quest and 70% for the final exam					
12.Learning and Teaching Resources					

Required Textbooks (Methodology, if any)	The Book of Qur'anic Expression by I Fadhil Al-Samarrai Arabic grammar book
Main Reference (s)	100 questions about the Arabic language Bilingualism
Recommended books and references (scientific journals, reports...)	

Course Description Form

1. Course Name
The crimes of the Baath regime in Iraq
2. Course Code
ATU218-24-CM
3. Semester/Year
Semester 2025-2026
4. Date this description was prepared
25-10-2025
5. Available Forms of Attendance
Presence
6. Number of Hours (Total) / Number of Credits (Total)
30 Hours / 2 Units
7. Course administrator name (if more than one name mentioned)
Name: M.M. Zaid Ahmed Khalil Email: zaid.ibrahem.iba.102@atu.edu.iq

8. Course Objectives

Course Objectives

- 1- The student is introduced to the concept of crime
- 2- Learns about the dictatorship of the former regime
- 3- He learns the importance of his choice

1. Teaching and Learning Strategies

Strategy

1. Discussion of students and asking questions about the topic of the lecture
2. Explain the material in a consistent way that suits the initial inquiries and discussions of the topic, in addition to using the available means of clarification that help to consolidate the lesson realistically, in addition to addressing many solved examples.
3. Using feedback and assessing the student's understanding of the material.

2. Course Structure

The week	Watches	Required Learning Outcomes	Unit Name or Subject	Learning method	Evaluation Method
1	2	The student should be familiar with the concept of crimes	Assessing and Preserving Freedom and Democracy	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
2	2	The student should be familiar with the history of	History of the Authority's Crime	theoretical	Daily preparation

		the crime affiliated with the authority			Daily exams (Cups) Bubble Sheet Exams
3	2	The student should be familiar with the crime departments	Crime Sections	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
4	2	The student should get to know The Concept of Freedom and Democracy	Assessing and Preserving Freedom and Democracy	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
5	2	The student should be familiar with the types of international crimes	Types of International Crimes	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
6	2	The student should be familiar with the types of	Types of International Crimes	theoretical	Daily preparation Daily exams (Cups)

		international crimes			Bubble Sheet Exams
7	2	The student should learn about human rights in Roman civilization	Human Rights in Roman Civilization	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
8	2	The student should be familiar with the decisions issued by the Supreme Court	Decisions of the Supreme Court	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
9	2	The student should be familiar with the evaluation and preservation of freedom and democracy	Decisions of the Supreme Court	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
11	2	The student should be familiar with the	Decisions of the Supreme Court	theoretical	Daily preparation

		evaluation and preservation of freedom and democracy			Daily exams (Cups) Bubble Sheet Exams
12	2	The student should be familiar with the types of psychological crimes	Psychological Crimes	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
-13 14	2	The student should be familiar with the mechanisms of psychological crimes	Mechanisms of Psychological Crimes	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
15	2	The student should be familiar with the effects of psychological crimes	Effects of Psychological Crimes	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams
	2	The student should be familiar	Baath crimes	theoretical	Daily preparation

		with the evaluation and preservation of freedom and democracy	against religion		Daily exams (Cups) Bubble Sheet Exams
	2	The student should get to know Baath crimes against religion	Baath crimes against religion	theoretical	Daily preparation Daily exams (Cups) Bubble Sheet Exams

3. Course Rating:

the The method of evaluation is as follows: 30% for the quest and 70% for the final exam

4. Learning and Teaching Resources

Required Textbooks (Methodology, if any)	
Main Reference (s)	Scientific journals, periodicals and researches in the field of Baath crimes
Recommended books and ,references (scientific journals (reports	Google scholar