

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



**University of Al-Ameed - College of Nursing
Academic Program Description**

**Bachelor of Science in Nursing / Undergraduate
First Stage –Bologna Process
2025-2026**

Revised by

Scientific Committee in University of Al-Ameed – College of Nursing

**University of Al-Ameed – College of Nursing© 2025
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<https://alameed.edu.iq/College-of-Nursing>
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First: Program Information:

University: University of Al-Ameed

College: Nursing

Department: Nursing

Name of Academic Program: Bachelor of Nursing - Undergraduate Study

Name of Final Degree: Bachelor of Science in Nursing

Study System: Semesters

Date of Preparation of Description: 04/12/2025

Date of Filling the File: 04/12/2025


Signature:


Prof. Dr. Diao K. Abd Ali
Dean of the College of Nursing



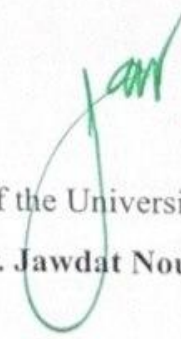
Signature:

Assist. Prof. Dr. LAMYA A-ALKAREM DARWISH
Vice President for Scientific Affairs

File checked by the Quality Assurance and University Performance Division
Name of the Director of the Quality Assurance and University Performance Division:

Lecturer Assist. Abbas Fadhel Musa

Date: 
Signature:


Approval of the University President
Prof. Dr. Jawdat Nouri Al-Jashaami

Vision Statement

The College of Nursing at the University of Karbala aspires to be a leading center of excellence in nursing education, recognized for its commitment to both local and global healthcare standards. We aim to develop highly competent, ethical, and evidence-based nursing professionals who are prepared to meet the healthcare needs of Karbala, Iraq, and the wider region. Our vision emphasizes integrating evidence-based nursing practices in education, research, and clinical care across hospitals, health centers, and community settings in Karbala and beyond. We strive to advance research that addresses critical health challenges in Karbala, neighboring governorates, and the national healthcare system. The faculty is committed to fostering innovation, critical thinking, and lifelong learning among students and staff, reflecting the cultural and healthcare priorities of the region. We seek to cultivate strong leadership, teamwork, and professional skills in graduates to enhance the quality of healthcare services locally and regionally. Community engagement and public health promotion in Karbala are central to our mission, improving awareness, health outcomes, and the overall well-being of the population. We aim to establish and strengthen partnerships with 2 hospitals, clinics, health organizations, and academic institutions in Karbala, Iraq, and internationally to enhance education, training, and practice. Our vision includes continuously improving educational programs, curricula, and clinical training to meet both local needs and international nursing standards. Ultimately, we aspire to contribute significantly to the development of the nursing profession and to the advancement of healthcare services in Karbala, Iraq, and the wider region.

Program Mission

The Faculty of Nursing is dedicated to providing high-quality nursing education that prepares competent, ethical, and evidence-based professionals. We aim to equip students with the knowledge, skills, and attitudes necessary for effective patient care in hospitals, clinics, and community settings in Karbala. Our mission emphasizes integrating theoretical knowledge with practical clinical training to ensure graduates are ready for real-world healthcare challenges. We foster critical thinking, problem-solving, and leadership skills to enable students to excel in multidisciplinary healthcare teams. The faculty promotes lifelong learning, professional development, and continuous improvement among students and staff. We engage in research and scholarly activities that address the health needs of Karbala, neighboring governorates, and the wider Iraqi healthcare system. Community engagement and public health initiatives are central to our mission, promoting health awareness and improving population health outcomes. We establish partnerships with hospitals, clinics, and health organizations in Karbala, Iraq, and internationally to strengthen education, training, and research opportunities. The faculty is committed to upholding ethical standards, cultural sensitivity, and professional integrity in all aspects of nursing education and practice. Ultimately, our mission is to contribute to the advancement of the nursing profession and the improvement of healthcare services locally, nationally, and regionally.

Program Objectives

- Prepare competent, ethical, and evidence-based nursing professionals capable of providing high-quality care.
- Develop graduates with strong leadership, teamwork, and communication skills for multidisciplinary healthcare settings.
- Promote critical thinking, clinical reasoning, and problem-solving abilities in nursing

practice.

- Equip students with the knowledge and skills required for effective assessment, planning, implementation, and evaluation of patient care.
- Encourage lifelong learning, professional development, and engagement in nursing research.
- Foster understanding and application of ethical, legal, and professional standards in nursing practice.
- Support graduates in addressing the healthcare needs of local communities, Karbala Governorate, and the wider region.
- Cultivate the ability to integrate evidence-based practice into clinical decision-making and patient management.
- Promote community engagement and health promotion initiatives to improve population health outcomes.
- 10. Contribute to the advancement of the nursing profession and the development of high-quality healthcare services in Iraq and the region.

Program Accreditation

The program has been accredited.

External influences

The program is affected by a number of influences, including the rapid development in nursing services and the needs of society. The program is also affected by the instructions of the Ministry of Higher Education and Scientific Research, the Al-Abbas's Holy Shrine, and Al-Ameed University.

Program's Structure

Requirements	No. of Courses	Credits	%	Notes
Institution Requirements	10	16	11.4	
College Requirements	33	124	88.6	Requirements are combined as the College of Nursing is a single-department college
Department Requirements				
Summer Training	2	Pass/fail		Second stage (Adult Nursing) 120 hours, Third stage (Pediatric Nursing - Maternal and Neonatal Nursing) 120 hours

Expected Learning Outcomes

Knowledge and Understanding.

- Demonstrate comprehensive knowledge of human anatomy, physiology, and pathophysiology relevant to local and regional health needs.
- Understand pharmacology, microbiology, and biochemistry principles as applied to nursing care in healthcare settings.
- Recognize ethical, legal, and professional standards in nursing practice within the Iraqi healthcare system.
- Explain the roles and responsibilities of nurses in hospitals, clinics, and community health programs.
- Demonstrate knowledge of public health priorities and prevalent health issues in the region.

Intellectual / Cognitive Skills

- Apply critical thinking and problem-solving to assess and manage healthcare challenges in local and regional contexts.
- Analyze healthcare data, research evidence, and epidemiological trends relevant to the population served.
- Develop appropriate care plans for patients, considering cultural and social factors.
- Integrate knowledge from different nursing disciplines to improve healthcare delivery in hospitals and community settings.
- Evaluate and reflect on professional practice to improve patient outcomes

Practical / Professional Skills

- Perform safe and effective nursing procedures in hospitals, clinics, and community health centers.
- Conduct comprehensive health assessments of individuals, families, and communities.
- Implement evidence-based nursing interventions to manage prevalent diseases and health conditions.
- Demonstrate competence in emergency, maternal, pediatric, and adult nursing according to local healthcare priorities.
- Participate effectively in clinical rotations, internships, and community outreach programs.

Transferable / Generic Skills

- Communicate clearly and compassionately with patients, families, and healthcare teams.
- Exhibit leadership, teamwork, and collaboration skills in multidisciplinary healthcare teams.
- Utilize digital tools, electronic health records, and informatics to improve patient care.
- Demonstrate professionalism, ethical conduct, and cultural sensitivity in nursing practice.
- Engage in lifelong learning, professional development, and community service to meet evolving healthcare needs.

Evaluation Methods

- Short Exams (Quiz)
- Homework
- Midterm and Final Exams for Theoretical and Practical Subjects
- Small Projects within the Lesson
- Interaction within the Lecture
- Reports
- Practical Evaluation

Teaching and Learning Strategies

- Explanation and clarification through lectures using methods of displaying scientific materials with display devices: data show, smart boards, plasma screens
- Self-learning through homework and mini-projects within lectures.
- Clinical and laboratory training
- Scientific visits.
- Seminars and discussion groups.
- Summer training

Professional Development

Orientation of new faculty members

The certificate and academic title are necessary requirements for faculty members as well as developing skills through their participation in the activities of the program to develop the capabilities and abilities of teachers. The performance of the teacher will be subject to an evaluation at the end of each academic year (performance evaluation) in addition to the necessity of obtaining teaching qualification certificates.

Professional development of faculty members

The program to develop the capabilities and abilities of teachers is prepared annually and feedback is taken from students about teaching and learning methods and the results are discussed after conducting statistical analysis.

Admission Criteria

The student is accepted into the program according to the instructions of the Ministry of Higher Education and Scientific Research, which are updated annually.

The most important sources of information about the program

- The official website of the college (College of Nursing (<https://alameed.edu.iq>/كلية التمريض))
- The College of Nursing Guide.

Program's Up to dating Plan

The program is subject to periodic development by the curriculum development committees emanating from the Committee of Deans of Iraqi Nursing Colleges.

Faculty Staff

Scientific Title	Specialty		Requirements and Competencies	Number	
	Nursing	Others		Full time	Part time
Professor	4	0	Post-graduate degree and methods of Learning Certificate	4	0
Assist. Prof.	3	2		4	1
Instructor	3	2		2	3
Instructor Assistance	11	3		2	12

		Republic of Iraq - Ministry of Higher Education and Scientific Research University of Alameed Bachelor's degree in Nursing Sciences (First cycle) Four years (Eight semesters) - 240 ECTS credits - 1 ECTS = 25 hr Program Curriculum (2025 - 2026)										جمهورية العراق - وزارة التعليم العالي والبحث العلمي جامعة العميد بكالوريوس علوم في التمريض (الدورة الأولى) أربع سنوات (ثمانية فصول دراسية) – 240 وحدة ائتمانية – كل وحدة ائتمانية = 25 ساعة										 	
Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SWL (hr/w)					Semn (hr/w)	Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code				
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)												
UGI	One	1	NUR1112001	Anatomy and Physiology for Nurses I	التشريح والفسيولوجيا للمرضى I	English	3		2				4	79	96	175	7.00	B					
		2	NUR1112002	Biochemistry	الكيمياء الحيوية	English	3		2				4	79	71	150	6.00	B					
		3	NUR1113003	Fundamentals of Nursing I	اساسيات التمريض I	English	4		6		1		4	169	106	275	11.00	C					
		4	NUR1113004	Medical Terminology	المصطلحات الطبية	English	2						3	33	17	50	2.00	C					
		5	NUR1110005	Principle of First Aid *	مبادئ الإسعافات الأولية	English	2						3	33	17	50	2.00	E					
		6	NUR1111006	Human Rights and Democracy	حقوق الانسان والديموقراطية	Arabic	2						3	33	17	50	2.00	S					
	Total						16	0	10	0	1	0	21	426	324	750	30.00						
	Two	1	NUR1212101	Anatomy and Physiology for Nurses II	التشريح والفسيولوجيا للمرضى II	English	3		2				4	79	121	200	8.00	B	Anatomy and Physiology for Nurses I				
		2	NUR1211002	Code of Ethics	اخلاقيات مهنة التمريض	English	2						3	33	42	75	3.00	S					
		3	NUR1213103	Fundamentals of Nursing II	اساسيات التمريض II	English	4			12			4	244	56	300	12.00	C	Fundamentals of Nursing I				
		4	NUR1210004	AI in Health Care *	الذكاء الاصطناعي في الرعاية الصحية	English	2						3	33	17	50	2.00	E					
		5	NUR1211005	Arabic Language I	اللغة العربية I	Arabic	2						3	33	17	50	2.00	S					
		6	NUR1211006	Computer Science I	علم الحاسوب I	Arabic	1		2				3	48	27	75	3.00	S					
Total						14	0	4	12	0	0	20	470	280	750	30.00							
UGII	Three	1	NUR211117	Adult Nursing I	تمريض البالغين I	English	4			12			4	244	56	300	12.00	C	Fundamentals of Nursing II				
		2	NUR211018	Health Assessment	التقييم الصحي	English	2		2				4	64	86	150	6.00	C					
		3	NUR211019	Microbiology for Nurses I	الاحياء المجهرية للمرضى I	English	2		2				4	64	86	150	6.00	B					
		4	NUR211020	Pharmacology for Nurses I	علم الادوية للمرضى I	English	2						3	33	67	100	4.00	B					
		5	UOA201	Crimes of the Baath Regime in Iraq	جرائم نظام البعث في العراق	Arabic	2						3	33	17	50	2.00	S					
		Total						12	0	4	12	0	0	18	438	312	750	30.00					
	Four	1	NUR211122	Adult Nursing II	تمريض البالغين II	English	4			12			4	244	56	300	12.00	C	Adult Nursing I				
		2	NUR211123	Microbiology for Nurses II	الاحياء المجهرية للمرضى II	English	2		2				4	64	86	150	6.00	B	Microbiology for Nurses I				
		3	NUR211024	Pathophysiology for Nursing	فسيولوجيا الامراض للمرضى	English	2						3	33	42	75	3.00	C					
		4	NUR211125	Pharmacology for Nurses II	علم الادوية للمرضى II	English	2						3	33	67	100	4.00	B	Pharmacology for Nurses I				
		5	UOA209	Arabic Language II	اللغة العربية II	Arabic	2						3	33	17	50	2.00	S	Arabic Language I				
		6	UOA205	Computer Science II	علم الحاسوب II	Arabic	1		2				3	48	27	75	3.00	S	Computer Science I				
	Total						13	0	4	12	0	0	20	455	295	750	30.00						

* Elective Course (المادة الاختيارية)

Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSW (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module	Prerequisite Module(s) Code		
							CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)									
UGIII	Five	1	NUR311028	Biostatics	الإحصاء الحيوي	English	2							3	33	67	100	4.00	B	Adult Nursing II	
		2	NUR311029	Health Sociology	علم الاجتماع الصحي	English	2							3	33	67	100	4.00	B		
		3	NUR311130	Maternal and Neonate Health Nursing	تدريب صحة الأم والوليد	English	3				12			4	229	71	300	12.00	C		
		4	NUR311031	Nutrition and Diet Therapy	التغذية والعلاج الغذائي	English	2							3	33	67	100	4.00	B		
		5	NUR311032	Research Methods in Nursing	منهجية البحث في التمريض		2					2		3	63	87	150	6.00	B		
															0		0	0.00			
							Total	11	0	0	12	2	0	16	391	359	750	30.00			
	Six																				
		Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSW (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code	
			1	NUR311033	Basic Emergency Nursing	أسس تمريض الطوارئ	Enalish	2			2				4	64	36	100	4.00	C	Adult Nursing II
			2	NUR311034	Human Growth and Development	النمو والنماء البشري	English	3			2				4	79	71	150	6.00	C	
			3	NUR311035	Informatics in Nursing	المعلوماتية في التمريض	English	2							3	33	67	100	4.00	B	
			4	NUR311136	Pediatric Nursing	تمريض الأطفال	Enalish	3				12			4	229	71	300	12.00	C	
			5	NUR311037	New trends and Issues in Nursing	لتجاهات والقضايا الحديثة في التمريض	English	2							3	33	67	100	4.00	B	
						Total	12	0	4	12	0	0	18	438	312	750	30.00				
Level	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSW (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code		
UGIV	Seven	1	NUR411138	Community Health Nursing	تمريض صحة المجتمع	English	3				12			4	229	71	300	12.00	C	Adult Nursing II	
		2	NUR411039	Epidemiology	علم الوبائيات	English	2							3	33	42	75	3.00	C		
		3	NUR411040	Health Promotion	تعزيز الصحة	English	2							3	33	42	75	3.00	C		
		4	NUR411041	Nursing Management and Leadership	الإدارة والقيادة في التمريض	English	2					3		4	79	71	150	6.00	C		
		5	NUR411142	Research Project I	مشرو ٤ بحث التخر ج							2			30	45	75	3.00	S	Research Methods in Nursing	
		6		Elective Course from List 3	المادة الاختيريرة من قائمة 3	English	2							3	33	42	75	3.00	E		
							Total	11	0	0	15	2	0	17	437	313	750	30.0			
	Eight	Semester	No.	Module Code	Module Name in English	اسم المادة الدراسية	Language	SSW (hr/w)						Exam hr/sem	SSWL hr/sem	USSWL hr/sem	SWL hr/sem	ECTS	Module Type	Prerequisite Module(s) Code	
								CL (hr/w)	Lect (hr/w)	Lab (hr/w)	Pr (hr/w)	Tut (hr/w)	Semn (hr/w)								
			1	NUR411046	Critical Care Nursing	تمريض الحالات الحرجة	English	2				6			4	124	76	200	8.00	C	Adult Nursing II
			2	NUR411047	Health Psychology for Nursing	علم النفس الصحي للمرضين	English	2							3	33	42	75	3.00	C	
			3	NUR411148	Mental Health and Illness Nursing	تمريض الصحة النفسية والعقلية	Enalish	3				12			4	229	71	300	12.00	C	
			4	NUR411149	Research Project II	مشروع بحث التخرج	Enalish					2				30	45	75	3.00	S	
		5		Elective Course from List 4	المادة الاختيرارية من قائمة 4	Enalish	2							3	33	67	100	4.00	E		
						Total	9	0	0	18	2	0	14	449	301	750	30.0				
							98	0	26	93	7	0	144	3504	2496	6000	240.0		Must be 240 ECTS		
		Elective Course																			
		LIST	Module Code	Module Name in English	اسم المادة الدراسية																
		1	NUR110005	Communication Skills	مهارات التّواصل																
		1	NUR110006	Immunity	المناعة																
		1	NUR110007	Principle First Aid	مبادئ الإسعافات الأولية																
		2	NUR110012	AI in Health care	النكاء الاصطناعي في الرعاية الصحية																
		2	NUR110013	Foundation of Nursing Practices	أسس ممارسات التمريض																
		2	NUR110014	Patient's Safety	سلامة المرضى																
		3	NUR410043	Patient's Rehabilitation	تأهيل المرضى																
		3	NUR410044	Oncology Nursing	تمريض الأورام																
		3	NUR410045	Psychiatric Emergency	حالات الطوارئ النفسية																
		4	NUR410050	Gerontological Nursing	تمريض الشيخوخة																
		4	NUR410051	School Program and Child Health	البرنامج المدرسي وصحة الطفل																
		4	NUR410052	Renal and Hemodialysis Nursing	تمريض الكلى والافقة الدموي																
Note: The student should complete 120 Hr for Adult Nursing , 60 Hr for Maternal and Neonate Health Nursing and 60 Hr for Pediatric Nursing of Summer Preceptorship to fulfil the requirements of the Bachelor's degree																					
Structured SWL (hr/w) type	CL	Class Lecture			Module type	B	Basic learning activities					SWL: Student Workload									
	Lab	Laboratory				C	Core learning activity					SSWL: Structured SWL									
	Pr	Practical Training				S	Support or related learning activity					USSWL: Unstructured SWL									
	Tut	Tutorial				E	Elective learning activity														
	Lect	Online lecture																			
	Semn	Seminar			Note: Columns O, Q and R are progrmaed, protected and should not be edited																

MODULE DESCRIPTION FORM

وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Anatomy and Physiology for Nurses I		Module Delivery	
Module Type	Basic		Method	h/week
Module Code	NUR1112001		Theory	3
ECTS Credits	7 ECTS		Lecture	-
SWL (hr/sem)	175		Lab	2
			Tutorial	-
			Practical	-
			Seminar	-
Module Level	UG I	Semester of Delivery	1st Semester	
Administering Branch	Basic Sciences	College	NUR	
Module Leader	Dr. Hussein Allawi Hussein Al-Ghanimi	e-mail	hughanimi@alameed.edu.iq	
Module Leader's Acad. Title	Assistant Professor	Module Leader's Qualification	Ph.D.	
Module Tutor	Dr. Hussein Allawi Hussein Al-Ghanimi M.Sc. Zainab Hashim Ali M. Sc. Asmaa Faisal Rudhan	e-mail	hughanimi@alameed.edu.iq za.al-mosawi@alameed.edu.iq	
Peer Reviewer Name	Prof. Dr. Basim MH Zwain	e-mail	basimzwain@alameed.edu.iq	
Scientific Committee Approval Date	November 2 , 2025	Version Number	1.0	

Relation with other Modules

العلاقة مع المواد الدراسية الأخرى

Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	• Provide students with fundamental concepts of the anatomy and physiology of the human body • Enhance the students' knowledge and understanding of the complex systems within the human body. • Students will develop an understanding of the physiological processes inside the body as nursing students • To familiarize students with the systems of the digestive, neurological, neuromuscular, respiratory, cardiovascular, excretory, immunological, reproductive, and endocrine systems, as well as their normal architecture and physiology. • The students will be able to recognize, locate, and comprehend the links between the various body parts. • Describe the interrelationships between anatomy and physiology in each of the system listed • Explain the primary control mechanisms of nervous and endocrine system, and the principles of feedback processes. • Identify the anatomical structures in each of the listed organ systems.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	• Describe the fundamental physiological and anatomical terms pertaining to the systems of the human body. • Explain the human body's primary organs and overall anatomical structure. • Describe the physiological processes that keep the body in a state of homeostasis. • Provide examples of the connection between organ and tissue structure and function. • Define physiological alterations linked to basic clinical states. • Examine how the various bodily systems—such as the respiratory, circulatory, and neurological systems—interact with one another. • Using anatomical models or pictures identify the main organs and body parts, and identify tissues and organs using microscopes and lab equipment. • Accurately carry out simple physiological tests (CBC, blood group, bleeding time, blood sugar and blood pressure etc.). • Adhere to ethical and safety protocols in the lab setting. • Engage in productive peer collaboration during group and lab exercises.
Indicative Contents المحتويات الإرشادية	<u>Theory Lectures</u> Basic scientific principles of anatomy and physiology [SSWL= 3] • Connection between anatomy and physiology • Gross and microscopic anatomy • Intracellular and Extracellular fluid • Electrolytes Cells, cellular organelle, transport systems [SSWL= 3] • Transports system • Cell membrane • Cells organelle • Basic functions of living organisms

The blood [SSWL= 3]

- Blood properties
- Hemoglobin
- Life cycle of blood cells
- Hemostasis

Tissue [SSWL= 3]

- Epithelial tissue
- Connective tissue
- Nervous tissue
- Muscle tissue

The skeletal system (Axial skeleton) [SSWL= 3]

- Bone and its functions
- Types of bone
- The skull and the vertebral column

Appendicular skeleton [SSWL= 3]

- Upper limbs
- Lower limbs
- Joints

The muscular system [SSWL= 3]

- Functions of the muscular system
- Smooth or visceral muscle
- Cardiac muscles
- Microanatomy of muscle fibers

The Skeletal muscle [SSWL= 3]

- Organization of the skeletal muscular system
- Gross anatomy of skeletal muscles
- Muscle fatigue
- Skeletal muscle movement

The Circulatory system [SSWL= 3]

- Blood vessels
- Structure and function of arteries, veins and capillaries
- Blood pressure
- Physiological factors regulating blood pressure

The cardiac system [SSWL= 3]

- Size, structures and location of the heart
- Heart valves
- The cardiac cycle
- Regulation of heart rate

The digestive system [SSWL= 3]

- The activity of the digestive system
- The organization of the digestive system
- Chemical and Physical digestion
- The oral mouth, pharynx, esophagus, stomach, and intestines.

Accessory organs of digestive system [SSWL= 3]

- Liver
- Pancreas
- Gall bladder

Digestive tract hormones [SSWL= 3]

- Chemical digestion

- Nutrition
- Balance diet

The renal system [SSWL= 3]

- Renal system organs
- Kidneys
- Nephrons
- Functions of the kidneys

Urine formation [SSWL= 3]

- Filtration
- Selective reabsorption
- Excretion
- Micturition

Lab. Lectures

Terms used in anatomy and physiology [SSWL= 2]

- Anatomic terminology
- Body cavities
- The microscope

RBC Abo system [SSWL= 2]

- RBC Structure
- The Rhesus system
- Blood group test

Complete Blood count (CBC) [SSWL= 2]

- Procedure of CBC test
- Components of report
- Read of report

Surface anatomy [SSWL= 2]

- Head and neck region
- Trunk and abdominopelvic region
- The skin layers

Packed cells volume (PCV) [SSWL= 2]

- Hemoglobin structure
- Tools and device use for PCV
- The procedure

Axial Skeleton parts [SSWL= 2]

- The skull
- The vertebral column
- The thoracic cage

Appendicular Skeleton parts [SSWL= 2]

- Upper limbs
- Lower limbs
- pelvic girdle

Erythrocyte sedimentation rate (ESR) [SSWL= 2]

- Principle of ESR
- Tools and device use for ESR

	- The procedure Anatomical structure of muscles [SSWL= 2] - Skeletal of upper limbs - Skeletal of lower limbs - Skeletal of pelvic girdle Report lab [SSWL= 2] Blood pressure test (Bp) [SSWL= 2] - Principle of BP - Tools and device use for Bp - The procedure Gastrointestinal tract layers (GIT) [SSWL= 2] - GIT layers - GIT parts - Locations of GIT parts Blood sugar test [SSWL= 2] - Principle of blood sugar test - Device use for sugar test - The procedure Urinary tract, layers [SSWL= 2] - Urinary tract layers - Urinary tract parts - Locations of Urinary tract parts General urine analysis (GUA) [SSWL= 2] - Principle of GUA test - Device use for GUA - The procedure Total hrs. = $\sum \text{SSWL} + (\text{Mid Exam hrs.} + \text{Final Exam hrs.}) = 75 + 4 = 79$
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Learning and Teaching Strategies			
استراتيجيات التعلم والتعليم			
Strategies	- Interactive Lectures - Project-Based Learning - Case Studies - Group Discussions and Presentations.		
Student Workload (SWL)			
الحمل الدراسي للطالب محسوب لـ 15 أسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	79	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	5.27
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	96	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	6.40
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	175		

Module Evaluation																															
تقييم المادة الدراسية																															
		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome												
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10			
Formative	Quizzes	2	5%			X						X																			
	Report	1	5%												X																
	Lab Report	1	5%								X																				
	Project	-	-																												
	Online Assig.	2	5%					X					X																		
	Onsite Assig.	1	10%							X									X												
	Seminar	-	-																												
Summative	Mid. Exam	1H	10% (10)						X																		X				
	Final Exam	3H	50% (50)	Week 15															X				X	X							
Total assessment			100%																												

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Basic scientific principles of anatomy and physiology
Week 2	Cells, cellular organelle, transport systems
Week 3	The blood
Week 4	Tissue
Week 5	The skeletal system (Axial skeleton)
Week 6	Appendicular skeleton
Week 7	The muscular system
Week 8	The Skeletal muscle
Week 9	The Circulatory system
Week 10	The cardiac system
Week 11	The digestive system
Week 12	Accessory organs of digestive system
Week 13	Digestive tract hormones
Week 14	The renal system
Week 15	Urine formation

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الأسبوعي للمختبر

	Material Covered
Week 1	Terms used in anatomy and physiology
Week 2	RBC Abo system
Week 3	Complete Blood count (CBC)
Week 4	Surface anatomy
Week 5	Packed cells volume (PCV)
Week 6	Axial Skeleton parts
Week 7	Appendicular Skeleton parts
Week 8	Erythrocyte sedimentation rate (ESR)
Week 9	Anatomical structure of muscles
Week 10	Blood pressure test (Bp)
Week 11	Gastrointestinal tract layers (GIT)
Week 12	Blood sugar test
Week 13	Urinary tract, layers
Week 14	General urine analysis (GUA)
Week 15	Chemical test of urine

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	• Marieb, Elaine N. and Smith, Lori A. <u>Human Anatomy & Physiology Laboratory Manual</u>. 12th Edition. Pearson Education Limited, United Kingdom, 2023. • Widmaier, E. P., Raff, H., and Stang, K. T. <u>Vander's Human Physiology: The Mechanisms of Human Body</u>. 15th Edition, Mac Graw Hill Education, USA, 2019.	No
Recommended Texts	Chandrasekar, M. and Mishra, N. <u>Practical Physiology Book</u> . 2 nd Edition, Jaypee Brothers Medical Publishers (P) Ltd, India, 2014.	No

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A – Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C – Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E – Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

MODULE DESCRIPTION FORM

وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Biochemistry		Module Delivery	
Module Type	Basic		Method	h/week
Module Code	NUR1112002		Theory	3
ECTS Credits	6 ECTS		Lecture	-
SWL (hr/sem)	150		Lab	2
			Tutorial	-
			Practical	-
Seminar	-	-	-	
Module Level	UG I	Semester of Delivery	1st Semester	
Administering Branch	Basic Sciences	College	NUR	
Module Leader	Prof. Abdul Amir Hassan Kudhum	e-mail	amir@alameed.edu.iq	
Module Leader's Acad. Title	Professor	Module Leader's Qualification	Ph.D.	
Module Tutor	assistant professor. Hussein Ali Al-Bahrani assistant lecture. Zainab Hashim Ali	e-mail	hamg.al1991@alameed.edu.iq za.al-mosawi@alameed.edu.iq	
Peer Reviewer Name	Prof. Abdul Amir Hassan Kudhum	e-mail	amir@alameed.edu.iq	
Scientific Committee Approval Date	November 2, 2025	Version Number	1.0	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	• To provide students with fundamental knowledge of the biochemical processes essential for life. • To explain the structure and function of biological molecules and their roles in human physiology. • To describe the major metabolic pathways and their regulation in the human body. • To relate biochemical principles to clinical and nutritional aspects of nursing care. • To understand the biochemical basis of common diseases and laboratory diagnostic tests. • To develop students' ability to interpret biochemical data relevant to patient health. • To enhance awareness of the role of enzymes, vitamins, and minerals in metabolism. • To integrate biochemical concepts with other nursing and medical sciences. • To encourage critical thinking and scientific reasoning in clinical situations. • To provide basic laboratory experience in biochemical analysis and interpretation.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	• Describe the chemical composition and structure of major biomolecules such as carbohydrates, lipids, proteins, and nucleic acids. • Explain the basic principles of enzymatic activity and factors affecting enzyme function. • Illustrate the main metabolic pathways and their role in energy production and regulation. • Discuss the biochemical roles of vitamins and minerals and their importance in maintaining health. • Interpret biochemical data related to common clinical conditions such as diabetes, liver disease, and renal disorders. • Apply biochemical knowledge to understand the physiological and pathological processes in nursing practice. • Demonstrate the ability to connect biochemical concepts with nutrition and patient care. • Perform and interpret basic biochemical laboratory tests safely and accurately. • Analyze the biochemical basis of hormonal regulation and acid-base balance in the human body.
Indicative Contents المحتويات الإرشادية	Theory Lectures Lecture 1: Introduction to Biochemistry [SSWL = 3 hrs] • Definition and branches of biochemistry • Importance of biochemistry in nursing practice • Biological molecules overview (carbohydrates, lipids, proteins, enzymes, nucleic acids)

Lecture 2: Chemistry of Carbohydrates [SSWL = 3 hrs]

- Structure and classification of carbohydrates
- Biological importance and functions of mono-, di-, and polysaccharides
- Chemical reactions and physiological significance

Lecture 3: Metabolism of Carbohydrates (Glycolysis & Gluconeogenesis) [SSWL = 3 hrs]

- Steps of glycolysis and gluconeogenesis
- Energy yield and regulation
- Clinical correlation with metabolic disorders

Lecture 4: Glycogenesis and Glycogenolysis [SSWL = 3 hrs]

- Pathways and regulation
- Hormonal control (insulin, glucagon, epinephrine)
- Disorders such as glycogen storage diseases and diabetes mellitus

Lecture 5: Krebs Cycle and Energy Production [SSWL = 3 hrs]

- Steps and significance of Krebs cycle
- Role of coenzymes and electron transport chain
- Integration of carbohydrate, lipid, and protein metabolism

Lecture 6: Chemistry of Lipids [SSWL = 3 hrs]

- Classification and structure of lipids
- Biological roles of fatty acids, triglycerides, phospholipids, cholesterol
- Clinical aspects of lipid imbalance

Lecture 7: Digestion, Absorption, and Transport of Lipids [SSWL = 3 hrs]

- Digestive enzymes and bile salts
- Lipid absorption and transport (lipoproteins, chylomicrons)
- Lipid malabsorption and clinical significance

Lecture 8: Chemistry of Proteins [SSWL = 3 hrs]

- Amino acids, peptide bonds, and protein structure
- Classification and biological functions of proteins
- Denaturation and clinical relevance

Lecture 9: Enzymes: Structure and Function [SSWL = 3 hrs]

- Definition and chemical nature of enzymes
- Mechanism of enzyme action and active sites
- Factors influencing enzyme activity

Lecture 10: Enzyme Kinetics and Classification [SSWL = 3 hrs]

- IUB classification of enzymes
- Enzyme kinetics and Michaelis-Menten concept
- Enzyme inhibition and diagnostic uses

Lecture 11: Liver Enzymes and Liver Function Tests [SSWL = 3 hrs]

- Major liver enzymes (ALT, AST, ALP, GGT)
- Interpretation of enzyme levels in liver disease

- Clinical case discussions

Lecture 12: Kidney Function and Biochemical Assessment [SSWL = 3 hrs]

- Role of the kidney in homeostasis
- Mechanisms of filtration and reabsorption
- Biochemical markers (urea, creatinine, uric acid)

Lecture 13: General Examination of Urine [SSWL = 3 hrs]

- Physical, chemical, and microscopic urine examination
- Normal and abnormal findings
- Clinical importance in nursing diagnosis

Lecture 14: Acid-Base Balance and Blood Gases [SSWL = 3 hrs]

- Buffer systems in the body
- Respiratory and metabolic acidosis/alkalosis
- Interpretation of arterial blood gases (ABG)

Lecture 15: Clinical Biochemistry in Nursing Practice [SSWL = 2 hrs]

- Integration of biochemical knowledge in patient care
- Interpretation of lab results in nursing context
- Case-based learning and review.

Lab Lecturers

Lab 1: Introduction to Biochemistry [SSWL = 2 hrs]

- Identify laboratory safety rules and symbols.
- Learn correct use of laboratory glassware and equipment.
- Practice accurate measurement of liquids and solutions.
- Understand preparation of buffers and basic solutions.

Lab 2: Qualitative Tests for Carbohydrates [SSWL = 2 hrs]

- Perform chemical tests for detection of carbohydrates.
- Identify monosaccharides, disaccharides, and polysaccharides experimentally.
- Observe color reactions using Benedict's, Barfoed's, and Molisch tests.
- Record and interpret laboratory results accurately.

Lab 3: Glycolysis Experiment (Carbohydrate Metabolism) [SSWL = 2 hrs]

- Demonstrate glucose breakdown using enzyme-based reactions.
- Observe CO₂ evolution or color change as an indicator of glycolysis.
- Interpret experimental data on energy production from glucose.

Lab 4: Glycogenesis and Glycogenolysis Demonstration [SSWL = 2 hrs]

- Examine glycogen presence in tissue samples using iodine staining.
- Understand principles of glycogen synthesis and degradation.
- Relate laboratory findings to metabolic disorders (e.g., diabetes).

Lab 5: Krebs Cycle and Energy Measurement [SSWL = 2 hrs]

- Illustrate steps of the Krebs cycle using a model or chart.
- Demonstrate the use of coenzymes (NAD⁺, FAD) in energy production.

- Calculate ATP yield and interpret biochemical significance.

Lab 6: Qualitative Tests for Lipids [SSWL = 2 hrs]

- Detect the presence of lipids using solubility and staining tests.
- Identify different types of lipids through chemical reactions.
- Understand the principles of lipid extraction and characterization.
- Relate laboratory findings to clinical lipid disorders.

Lab 7: Lipid Digestion and Absorption [SSWL = 2 hrs]

- Observe lipid emulsification using bile salt solutions.
- Demonstrate enzyme action of lipase on fats.
- Explain lipid transport mechanisms (micelles and lipoproteins).

Lab 8: Chemistry of Enzymes [SSWL = 2 hrs]

- Study enzyme structure and function using a model.
- Observe effect of temperature and pH on enzyme activity.
- Discuss enzyme specificity and active sites.

Lab 9: Enzyme Activity and Measurement [SSWL = 2 hrs]

- Measure enzyme activity using biochemical assays.
- Determine reaction rates and calculate enzyme units.
- Analyze the effect of inhibitors on enzyme reactions.

Lab 10: Liver Enzymes and Function Tests [SSWL = 2 hrs]

- Perform biochemical tests for liver enzymes (ALT, AST, ALP).
- Interpret the relationship between enzyme activity and liver function.
- Report findings in a professional laboratory format.

Lab 11: Renal Function Tests [SSWL = 2 hrs]

- Perform tests to estimate urea, creatinine, and uric acid.
- Correlate biochemical results with kidney function.
- Understand principles of sample handling and interpretation.

Lab 12: General Examination of Urine [SSWL = 2 hrs]

- Perform physical and chemical examination of urine.
- Identify abnormal constituents (glucose, protein, ketones).
- Record findings and correlate with clinical cases.

Lab 13: Acid-Base Balance and Blood Buffering [SSWL = 2 hrs]

- Demonstrate buffer action using acid and base titration.
- Measure pH using indicators and pH meter.
- Discuss clinical relevance of acidosis and alkalosis.

Lab 14: Blood Glucose and Lipid Profile Tests [SSWL = 2 hrs]

- Estimate blood glucose using glucose oxidase method.
 - Determine total cholesterol and triglycerides.
 - Interpret normal and abnormal values in clinical context.
-

	Lab 15: Clinical Biochemistry Case Interpretation [SSWL = 2 hrs] - Analyze sample laboratory reports (liver, renal, lipid, glucose). - Correlate lab data with patient symptoms. - Practice interpretation and nursing documentation. Total hrs = $\sum$SSWL + (Mid Exam hrs+ Final Exam hrs) = 75+4=79
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Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	- Using cooperative learning style. - Discussion sessions on different topics. - Clinical training. - Theoretical and practical lectures. - Modern means related to education. - Student researches and participation in scientific trips - Accreditation the exams Daily ,monthly and quarterly.
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Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ 15 أسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	79	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	5.27
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	71	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	4.73
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	150		

Module Evaluation

تقييم المادة الدراسية

		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome									
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10
Formative	Quizzes	2	5%		x								x						X									
	Report	1	10%								x									x	x							
	Lab Report	1	5%				x															X						
	Project	-	-																									
	Online Assig.	1	5%					x															X					
	Onsite Assig.	1	10%											x										X				
	Seminar	-	-																									
Summative	Mid. Exam	1H	10% (10)							x									x	x	x	x	x	x				
	Final Exam	3H	50% (50)	Week 15															x	x	x	x	x	x	x	x	x	x
Total assessment			100%																									

Delivery Plan (Weekly Syllabus)

المنهاج الأسبوعي النظري

	Material Covered
Week 1	Introduction to Biochemistry
Week 2	Chemistry of Carbohydrates
Week 3	Metabolism of Carbohydrates (Glycolysis & Gluconeogenesis)
Week 4	Glycogenesis and Glycogenolysis
Week 5	Krebs Cycle and Energy Production
Week 6	Chemistry of Lipids
Week 7	Digestion, Absorption, and Transport of Lipids
Week 8	Chemistry of Proteins
Week 9	Enzymes: Structure and Function
Week 10	Enzyme Kinetics and Classification
Week 11	Liver Enzymes and Liver Function Tests
Week 12	Kidney Function and Biochemical Assessment
Week 13	General Examination of Urine
Week 14	Acid-Base Balance and Blood Gases
Week 15	Clinical Biochemistry in Nursing Practice

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الأسبوعي للمختبر

	Material Covered
Week 1	Introduction to Biochemistry Laboratory
Week 2	Qualitative Tests for Carbohydrates
Week 3	Glycolysis Experiment (Carbohydrate Metabolism)
Week 4	Glycogenesis and Glycogenolysis Demonstration
Week 5	Krebs Cycle and Energy Measurement
Week 6	Qualitative Tests for Lipids
Week 7	Lipid Digestion and Absorption
Week 8	Chemistry of Enzymes
Week 9	Enzyme Activity and Measurement
Week 10	Liver Enzymes and Function Tests
Week 11	Renal Function Tests
Week 12	General Examination of Urine
Week 13	Acid-Base Balance and Blood Buffering
Week 14	Blood Glucose and Lipid Profile Tests

Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Abali EE, Cline SD, Franklin DS, Viselli S, Ferrier DR. Lippincott Illustrated Reviews: Biochemistry. 7th ed. Philadelphia: Wolters Kluwer; 2022.	No
Recommended Texts	- Chatterjea MN, Shinde R. Textbook of Medical Biochemistry. 8th ed. New Delhi: Jaypee Brothers Medical Publishers; 2018 - Kennelly PJ, Botham KM, McGuinness OP, Rodwell VW, Weil PA. Harper’s Illustrated Biochemistry. 32nd ed. New York: McGraw-Hill Education; 2023. - Herbert Fromm and Mark Hargrove, Essentials of Biochemistry, 2012 - Vijay Kumar Kiran Dip Gill, Basic Concepts in Clinical Biochemistry: A Practical Guide,2018	No
Websites	Web sites of Biochemistry	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (فيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

MODULE DESCRIPTION FORM

وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Fundamentals of Nursing I		Module Delivery	
Module Type	Core		Method	h/week
Module Code	NUR1113003		Theory	Frequency
ECTS Credits	11 ECTS		Lecture	4
SWL (hr/sem)	275		Lab	15
			Tutorial	-
			Practical	-
			Seminar	15
Module Level	UG I	Semester of Delivery	1st Semester	
Administering Branch	Fundamentals of Nursing	College	NUR	
Module Leader	Ali Falah Hasen	e-mail	Falahali048@gmail.com	
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	Msc.	
Module Tutor	Ali Falah Hasen	e-mail	Falahali048@gmail.com	
Peer Reviewer Name	Fatima Makee Mahmmud	e-mail	fatima.makki@uokerbala.edu.iq	
Scientific Committee Approval Date	November 2, 2025	Version Number	1.0	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	• Discuss concepts related to functional health patterns and their utilization in providing nursing care for client. • Realize the nursing process as a frame work for providing nursing care for a client with selected alterations in function health patterns. • Recognize the principle underlying all nursing intervention procedures related to providing care to client in adult nursing care. • Recognize the principles of infection prevention in clinical area. • Develop an awareness concerning the importance of health promotion for the adult nursing care. • Apply a systematic approach of analyzing the patients problems • Utilize systematic approach in assessing the client health status • Perform basic nursing skills related to various client conditions. • Provide a safe & therapeutic environment for client care. • Utilize principles of medical / surgical asepsis & universal precautions in client care. • Utilize principles of body mechanics in positioning, transferring & ambulating the client. • Prepare & administer medications safely. • Demonstrate the use of principles accurately in reporting & recording nursing action, intervention, and clients' response.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	• Define basic nursing concepts, health, illness, and the nursing process. • Explain the principles of infection control and the chain of infection. • Describe procedures for patient admission, transfer, and discharge. • Identify ethical and legal responsibilities of nurses in clinical practice. • Recognize the principles of safety and body mechanics in patient care. • Demonstrate proper techniques in maintaining personal hygiene and a clean environment for patients. • Perform accurate measurement and documentation of vital signs (temperature, pulse, respiration, and blood pressure). • Apply aseptic techniques and infection control measures in clinical and laboratory settings. • Utilize effective communication and documentation skills in all aspects of nursing care. • Implement the nursing process in providing holistic care to individuals. • Exhibit professionalism, responsibility, and ethical behavior in patient care. • Demonstrate empathy, respect, and cultural sensitivity when interacting with patients and the healthcare team.
Indicative Contents المحتويات الإرشادية	<u>Theory Lectures</u> Historical and contemporary nursing practice [SSWL= 4]. • Stages of nursing. • Definitions of Nursing. • Recipients of Nursing care and illness. • Role and function of the nurse. • Criteria Of nursing Profession Asepsis and infection control (I) [SSWL= 4] • Types of microorganisms causing infection • Types of infection • Chain of infection

Asepsis and infection control (II) [SSWL= 4]

- Body defense against infection
- Asepsis
- Infection control

Admission, transfer, referrals, education, Discharge of patient and documentation [SSWL= 4]

- Admission, transfer, referrals of patient
- Definition terms
- The admitting department
- Client transfer
- Client referral
- Education, Discharge plan of patient and documentation
- Discharge a client Principles and elements of effective documentation

Safety and activity Body mechanics [SSWL= 4]

- Maintaining good posture
- Protective devices
- Nursing implication
- Therapeutic exercise

Wound care and healing process [SSWL= 4]

- Understanding the anatomy and physiology of the integumentary system
- Understanding the types of wounds and dressing
- Wound Assessment Etiology and Classification
- Infection Control
- Wound Cleaning and Debridement:
- Dressing Selection and Application

Vital signs (I) [SSWL= 4]

- Understanding how to measure the Temperature
- Understanding how to measure the Pulse rate
- Normal Ranges
- Measurement Techniques
- Documentation

Vital signs (II) [SSWL= 4]

- Understanding how to measure the Respiration
- Understanding how to measure the SPO2 (oxygen saturation)
- Normal Ranges
- Measurement Techniques
- Documentation

Vital signs (III) [SSWL= 4]

- Understanding how to measure blood pressure
- Normal Ranges
- Measurement Techniques
- Documentation

Medication administration [SSWL= 4]

- Drug standard
- Legal asepsis of drug administration
- Effective and action of drug
- Routes of administration
- System of measurement

	• Medication orders
	Oral medication [SSWL= 4] • Knowledge of Medications • Dosage Calculation • Patient Assessment • Patient Education • Documentation • Safety protocols • Emergency Response
	Injection of medication (I) [SSWL= 4] • Injection Types • Anatomy knowledge • Medication preparation • Aseptic technique • Injection site selection
	Injection of medication (II) [SSWL= 4] • Patient assessment • Needle selection and insertion • Patient education • pain management • Documentation
	Fluid and electrolyte [SSWL= 4] • Intravenous infusion • Blood transfusion.
	Hot and cold applications [SSWL= 4] • The physiological effects of hot and cold applications on the body • Identify appropriate clinical indications for hot and cold therapies • Assess skin integrity, sensation, and the presence of any underlying conditions that may affect the response to temperature applications
	<u>Lab. Lectures</u>
	Asepsis and infection control (I) [SSWL= 6] • Hand washing (Rotten Hand Washing by Swap and Water) • Hand washing (Rotten Hand Washing by Alcohol) • Hand washing (Surgical Hand Washing by Alcohol)
	Asepsis and infection control (II) [SSWL= 6] • Hand washing (Surgical Hand Washing by Swap and Water) • Isolation techniques (personal protective equipment)
	Body mechanics [SSWL= 6] • Body movement (Range of motion) • Body Posture
	Vital signs (I) [SSWL= 6] • Body temperature Assessment • Pulse Assessment • Documentation
	Vital signs (II) [SSWL= 6] • Blood Pressure Assessment • Documentation

Vital signs (III) [SSWL= 6]

- Respiration Assessment
- SPO2 (Oxygen saturation Assessment)
- Oxygen Therapy and Airway Management
- Administering oxygen safely, suctioning, and maintaining airway patency

Wound Care [SSWL= 6]

- Dressing a wound
- Bandage and binder
- Wound suturing

Medication Administration (I) [SSWL= 6]

- Oral medication
- Rectal medication
- Local medication (eye, nose, ear drop, topical skin medication, inhalation)
- Documentation

Medication Administration (II) [SSWL= 6]

- Injection of medication (Intradermal injection (ID))
- Injection of medication (Subcutaneous injection (SC))
- Injection of medication (Intramuscular injection (IM))
- Documentation

Medication Administration (III) [SSWL= 6]

- Injection of medication (Intravenous injection (IV))
- Intravenous infusion
- Blood transfusion
- Documentation

Elementary canal care [SSWL= 6]

- Enema (Therapeutic and Diagnostic)
- Documentation

Urinary catheterization [SSWL= 6]

- Catheterization
- Infection control
- Care of Urinary catheterization

Gastrointestinal Care [SSWL= 6]

- Nasogastric intubation NG Tube (Gavage and Lavage)
- Infection control
- Care of Nasogastric intubation NG Tube

Operations Room Procedure [SSWL= 6]

- Handling sterile equipment
- Thoracentesis and surgical instrument
- Sterilization and Aseptic technique

Hot and cold applications [SSWL= 6]

- Care of hyperthermia
- Pain Care
- applications of Hot and cold compression

Total hrs. = $\sum \text{SSWL} + (\text{Mid Exam hrs.} + \text{Final Exam hrs.}) = 165 + 4 = 169$

Strategies

- Interactive Lectures
- Project-Based Learning
- Case Studies
- Field Trips
- Group Discussions and Presentations.

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ 15 أسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	169	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	11.27
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	106	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	7.07
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	275		

Module Evaluation

تقييم المادة الدراسية

		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome									
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10
Formative	Quizzes	2	5%			X						X								(								
	Report	1	5%													X								(				
	Lab Report	1	5%								X																	
	Project	-	-																									
	Online Assig.	2	5%					X						X							(		X					
	Onsite Assig.	2	15%						X				X						X									
	Seminar	1	5%				X																					
Summative	Mid. Exam	1H	10% (10)							X												X			(			X
	Final Exam	3H	50% (50)	Week 15															X	(	(	X	X	(	(	(	(	X
Total assessment			100%																									

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	History of Nursing
Week 2	Asepsis and infection control (I)
Week 3	Asepsis and infection control (II)
Week 4	Admission, transfer, referrals, discharge and documentation
Week 5	Vital signs (I)
Week 6	Vital signs (II)
Week 7	Vital signs (III)
Week 8	Safety and activity Body mechanics
Week 9	Wound care and healing process (I)
Week 10	Wound care and healing process (II)
Week 11	Medication administration (I)
Week 12	Medication administration (II)
Week 13	Medication administration (III)
Week 14	Fluid electrolyte and Acid- base balance (I)
Week 15	Fluid electrolyte and Acid- base balance (II)

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الأسبوعي للمختبر

	Material Covered
Week 1	Asepsis and infection control (I)
Week 2	Asepsis and infection control (II)
Week 3	Asepsis and infection control (III)
Week 4	Vital signs (I)
Week 5	Vital signs (II)
Week 6	Vital signs (III)
Week 7	Patient positioning.
Week 8	Transfer patient from wheel chair to stretcher, bed, and vice versa.
Week 9	Wound Care and irrigation (I)
Week 10	Wound Care and Suturing (II)
Week 11	Medication Administration (I)
Week 12	Medication Administration (II)
Week 13	Medication Administration (III)
Week 14	Review1
Week 15	Review2

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Carol R. Taylor, Pamela Lynn, et al. Fundamentals of Nursing, 7 th Ed, New York, Pearson Education, 2021.	No
Recommended Texts	Kozier B, Erb, G, Berman A, et al. Fundamentals of Nursing, 10 th Ed, New York, Pearson Education, 2020.	Yes

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

MODULE DESCRIPTION FORM

وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Medical Terminology		Module Delivery	
Module Type	Core		Method	h/week
Module Code	NUR1113004		Theory	2
ECTS Credits	2 ECTS		Lecture	-
SWL (hr/sem)	50		Lab	-
			Tutorial	-
			Practical	-
			Seminar	-
Module Level	UG I	Semester of Delivery	1st Semester	
Administering Branch	Fundamentals of Nursing	College	NUR	
Module Leader	Ali Falah Hassen	e-mail	falahali048@gmail.com	
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	Msc.	
Module Tutor	Mohammad Kais Abdul - Jaleel	e-mail	m.duable@alameed.edu.iq	
Peer Reviewer Name	Diaa Kareem Abd Ali	e-mail	Dr.Diaa@alameed.edu.iq	
Scientific Committee Approval Date	November 2, 2025	Version Number	1.0	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives

أهداف المادة الدراسية

1. **Analyze and construct medical terms** by identifying and applying word roots, prefixes, and suffixes related to human anatomy, physiology, and pathology.
2. **Apply the standard rules** for forming plurals, combining word parts, and using abbreviations safely in a clinical context.
3. **Define and utilize essential anatomical terminology**, including directional terms, body planes, cavities, and regions to accurately describe the location of symptoms and procedures.
4. **Interpret and communicate common medical terms** related to major body systems (e.g., integumentary, musculoskeletal, cardiovascular, nervous).
5. **Decipher the meaning of diagnostic and surgical procedures** based on their word components for each body system.
6. **Differentiate between terms describing normal physiological states and common disease processes.**
7. **Accurately interpret and use medical terminology** found in standard laboratory reports, diagnostic imaging requests, and patient charts.
8. **Translate complex medical terms into simple, clear language** for effective communication with patients and their families.
9. **Apply medical terminology accurately** in simulated clinical scenarios and case studies to enhance critical thinking and practical application.
10. **Demonstrate the ability to access and use medical dictionaries** and online resources to clarify and understand unfamiliar terms.

Module Learning Outcomes

مخرجات التعلم للمادة الدراسية

By the end of this module, students will be able to:

By the end of this module, students will be able to:

1. Identify the basic components and structure of medical terms, including at least 50 common word roots, prefixes, and suffixes.
2. Apply rules for combining word parts, plural formation, and abbreviations accurately in written exercises and quizzes.
3. Recognize and use medical terminology related to all major body systems, demonstrating correct usage in at least 5 case-based scenarios.
4. Describe directional terms, body planes, cavities, and regions, and correctly apply them in labeling exercises.
5. Interpret medical terms related to health, disease, and diagnostic procedures in clinical case studies and laboratory reports.
6. Demonstrate correct spelling, pronunciation, and usage of medical terms in oral and written communication.
7. Analyze medical terms in the context of patient documentation and healthcare records.
8. Integrate terminology knowledge to communicate effectively with healthcare professionals.
9. Solve case-based exercises using appropriate medical terminology to describe conditions, procedures, and treatments.

	10. Evaluate own understanding and application of medical terminology through formative assessments and practical exercises, achieving at least 80% accuracy by the end of the module.
Indicative Contents المحتويات الإرشادية	Theory Lectures Lecture 1: Introduction to Medical Terminology, Word Roots, Prefixes, and Suffixes. [SSWL= 2 hrs] Definition and importance of medical terminology in healthcare. Structure of medical terms: word roots, prefixes, and suffixes. Common word roots for major body systems. Formation of terms using prefixes and suffixes. Lecture 2: Rules for Combining Words, Plural Formation, and Abbreviations. [SSWL=2 hrs] Combining vowels and rules for joining word parts. Plural forms of medical terms. Common abbreviations and symbols used in healthcare documentation. Guidelines for correct spelling and pronunciation. Lecture 3: Terms Related to the Human Body in Health and Disease. [SSWL=2 hrs] Basic anatomical terms. Terminology for normal body function vs. pathological conditions. Common medical terms describing signs, symptoms, and diseases. Lecture 4: Directional Terms, Planes, Body Cavities, and Regions. [SSWL=2 hrs] Anatomical directional terms (anterior, posterior, medial, lateral, etc.). Body planes (sagittal, coronal, transverse) and sections. Body cavities (cranial, thoracic, abdominal, pelvic) and their contents. Regions of the body and quadrants used in clinical assessment. Lecture 5: Medical Terms Related to the Integumentary System. [SSWL=2 hrs] Terminology for skin, hair, nails, and glands. Common disorders and diseases of the integumentary system. Diagnostic and treatment terms. Lecture 6: Medical Terms Related to the Musculoskeletal System. [SSWL=2 hrs] Terminology for bones, joints, muscles, and connective tissues. Common conditions and diseases (fractures, arthritis, muscular disorders). Diagnostic procedures (imaging, lab tests) and therapeutic terms. Lecture 7: Medical Terms Related to the Cardiovascular System. [SSWL= 2 hrs] Heart, blood vessels, and blood-related terminology. Common cardiovascular diseases and diagnostic terms. Treatment-related terminology (medications, surgical procedures). Lecture 8: Medical Terms Related to the Respiratory System. [SSWL=2 hrs] Anatomy of respiratory structures (lungs, airways). Terminology for common respiratory diseases (asthma, pneumonia, COPD). Diagnostic tests (spirometry, imaging) and treatments. Lecture 9: Medical Terms Related to the Digestive System. [SSWL=2 hrs] Gastrointestinal anatomy and related terminology. Disorders of the digestive system (ulcers, hepatitis, GI infections). Procedures and diagnostic tests (endoscopy, imaging, lab tests). Lecture 10: Medical Terms Related to the Urinary System. [SSWL=2 hrs] Anatomy of kidneys, ureters, bladder, and urethra. Terminology for urinary disorders (UTI, kidney stones, renal failure). Diagnostic and treatment-related terms (dialysis, imaging, lab tests).

	Lecture 11: Medical Terms Related to the Reproductive Systems. [SSWL=2 hrs] Male and female reproductive anatomy. Terms for reproductive health, diseases, and disorders. Diagnostic procedures (ultrasound, lab tests) and treatments. Lecture 12: Medical Terms Related to the Nervous System. [SSWL=2 hrs] Brain, spinal cord, peripheral nerves terminology. Neurological diseases and disorders (stroke, epilepsy, neuropathies). Diagnostic procedures (EEG, MRI) and treatment terms. Lecture 13: Medical Terms Related to the Endocrine and Lymphatic Systems. [SSWL=2 hrs] Endocrine glands and hormone-related terminology. Lymphatic system structure and terminology. Disorders (diabetes, thyroid disorders, lymphadenopathy). Diagnostic tests and therapeutic procedures. Lecture 14: Laboratory and Diagnostic Procedures Terminology. [SSWL=2 hrs] Common laboratory tests (blood, urine, microbiology). Imaging terminology (X-ray, CT, MRI, ultrasound). Interpretation of laboratory results and abbreviations used. Lecture 15: Revision and Case-Based Practice on Term Usage. [SSWL=2 hrs] Integrative review of all systems and terminology. Case-based exercises to apply terminology in clinical scenarios. Group discussions and practical exercises to reinforce learning. Total hrs = $\sum$SSWL + (Mid Exam hrs+ Final Exam hrs) =30+3=33
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Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	1. Lectures – To introduce basic concepts, word roots, prefixes, suffixes, and system-based terminology. 2. Interactive discussions – To clarify complex terms, rules of word formation, and abbreviations. 3. Small group activities – Collaborative exercises to practice spelling, pronunciation, and term usage. 4. Self-directed learning – Encouraging students to use textbooks, online resources, and flashcards for independent practice. 5. Quizzes and formative assessments – To reinforce knowledge and identify areas needing improvement. 6. Presentations 7. Case studies.
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Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ أسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.20
Unstructured SWL (h/sem)	17	Unstructured SWL (h/w)	1.13

الحمل الدراسي غير المنتظم للطالب خلال الفصل	الحمل الدراسي غير المنتظم للطالب أسبوعيا
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50

Module Evaluation																											
تقييم المادة الدراسية																											
		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome								
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9
Formative	Quizzes	2	5%			X									X				X	X	X	X	X	X		X	
	Report	1	10%								X									X			X				
	Lab Report	-	-																								
	Project	1	10%											X					X	X	X		X				X
	Online Assig.	2	5%				X									X			X	X	X	X	X	X	X		
	Onsite Assig.	-	-																								
	Seminar	-	-																								
Summative	Mid. Exam	1H	10% (10)							X									X				X			X	
	Final Exam	2H	50% (50)	Week 15															X	X	X	X	X	X	X	X	X
Total assessment			100%																								

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Introduction to Medical Terminology, word roots, prefixes, and suffixes
Week 2	Rules for combining words, plural formation, and abbreviations
Week 3	Terms related to the human body in health and disease
Week 4	Directional terms, planes, body cavities, and regions
Week 5	Medical terms related to the integumentary system
Week 6	Medical terms related to the musculoskeletal system
Week 7	Medical terms related to the cardiovascular system
Week 8	Medical terms related to the respiratory system
Week 9	Medical terms related to the digestive system
Week 10	Medical terms related to the urinary system
Week 11	Medical terms related to the reproductive systems
Week 12	Medical terms related to the nervous system
Week 13	Medical terms related to the endocrine and lymphatic systems
Week 14	Laboratory and diagnostic procedures terminology

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Thea Liza Batan earned a Master of Science in... PENN FOSTER, INC. 2017. PAGE 10. MEDICAL TERMINOLOGY. Lesson 1 deals with the study of anesthesia or anesthetics	Yes
Recommended Texts	• Chabner, D. The Language of Medicine. 12 th ed.). Elsevier, 2020.	No
Websites	- MedlinePlus (https://medlineplus.gov) - World Health Organization (WHO) (https://www.who.int)	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C – Good	جيد	70 - 79	Sound work with notable errors
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MODULE DESCRIPTION FORM

وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Principle First Aid		Module Delivery	
Module Type	Elective		Method	h/week
Module Code	NUR1110005		Theory	2
ECTS Credits	2 ECTS		Lecture	-
SWL (hr/sem)	50		Lab	-
			Tutorial	-
			Practical	-
			Seminar	-
Module Level	UG I	Semester of Delivery	1st Semester	
Administering Branch	Fundamentals of Nursing	College	NUR	
Module Leader	Ali falah hasan	e-mail	Falahali048@gmail.com	
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	Msc.	
Module Tutor	Ali falah hasan Ali Alaa hashem	e-mail	Falahali048@gmail.com	
Peer Reviewer Name	Assistant.prof. Dr.hassan Abdullah Athbi	e-mail	hasan.abdallh@uokerbala.edu.iq	
Scientific Committee Approval Date	November 2, 2025	Version Number	1.0	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives

أهداف المادة الدراسية

Upon successful completion of this module, the student will be able to:

- Apply the principles of primary assessment (DRSABCD or equivalent) to systematically and rapidly evaluate a casualty in any emergency situation, identifying immediate life-threats.
- Demonstrate proficiency in performing all steps of Basic Life Support (BLS), including high-quality chest compressions, rescue breaths, and the use of an Automated External Defibrillator (AED) for adult, pediatric, and infant victims.
- Differentiate between the pathophysiology, signs, and symptoms of major respiratory, circulatory, and neurological emergencies (e.g., anaphylaxis, myocardial infarction, stroke, status epilepticus) to formulate an initial nursing response.
- Execute appropriate first aid and emergency nursing interventions for the management of soft tissue injuries, burns, and musculoskeletal trauma, focusing on hemorrhage control, wound care, and immobilization techniques.
- Analyze the clinical presentation of a patient in shock (hypovolemic, septic, anaphylactic) to determine its likely etiology and initiate the correct sequence of priority nursing actions.
- Develop evidence-based management plans for cases of acute poisoning, drug overdose, and envenomation from bites and stings, including initial decontamination procedures and symptom management.
- Prioritize and administer first aid for specialized injuries to the eyes, teeth, nose, and ears, demonstrating an understanding of the potential for long-term complications.
- Synthesize patient history and mechanism of injury to suspect and appropriately manage suspected spinal and other critical fractures in a pre-hospital or emergency department setting.
- Compare and contrast the key algorithms and interventions used in Advanced Life Support (ALS), Pediatric Advanced Life Support (PALS), and Neonatal Advanced Life Support (NALS), recognizing the nurse's role within these specialized resuscitation teams.
- Integrate clinical judgment, ethical principles, and effective communication skills to safely manage multiple casualties and function collaboratively within an interprofessional emergency care team.

Module Learning Outcomes

مخرجات التعلم للمادة
الدراسية

By the end of this course, the student will be able to:

- By the mid-term exam, demonstrate correct primary assessment sequence (DRSABCD) on a simulated adult patient, identifying and responding to life-threatening airway and breathing problems with 100% accuracy in critical steps, as per the European Resuscitation Council (ERC) guidelines.
- By the end of the practical skills module (Week 4), perform a complete cycle of high-quality, single-rescuer Basic Life Support (BLS) for an adult, including the use of an AED, achieving a minimum score of 90% on the BLS practical checklist, adhering to ERC standards.
- Within the first 6 weeks, differentiate between the signs, symptoms, and initial nursing management of at least three distinct circulatory emergencies (e.g., anaphylactic shock, myocardial infarction, hypovolemic shock) by correctly analyzing and solving three out of four presented clinical case scenarios.
- By the end of Week 8, formulate and execute a prioritized plan for a simulated multi-trauma casualty, which includes immediate hemorrhage control, spinal immobilization, and fracture stabilization, successfully completing all critical actions in a timed simulation.
- During the final practical assessment (OSCE), correctly apply the appropriate first aid techniques for two different types of burns (thermal and chemical) and a major arterial wound, selecting the correct materials and procedures in accordance with evidence-based protocols.
- By the conclusion of the poisoning and envenomation module (Week 9), develop an initial management plan for a case of acute drug overdose and a bee sting anaphylaxis, accurately listing the first five priority nursing interventions for each case in a written assignment.
- In the final written examination, analyze a complex case study of a patient with a suspected stroke, accurately calculating the onset time, identifying the type of stroke (ischemic vs. hemorrhagic) based on symptoms, and justifying the first-line emergency nursing priorities.
- Throughout the course clinical simulations, effectively utilize closed-loop communication to delegate tasks and report critical patient information to a simulated team leader during a pediatric respiratory arrest scenario, as measured by a standardized teamwork assessment tool.
- By the end of Week 10, compare and contrast the key differences in BLS algorithms for adults, children, and infants by creating a comparative table that accurately outlines the variations in compression depth, hand placement, and compression-to-ventilation ratios.
- In the final comprehensive exam, integrate knowledge from all course modules to manage a simulated environmental emergency (e.g., hypothermia or heat stroke) and a diabetic emergency, correctly identifying the condition and initiating all appropriate first aid and monitoring interventions within a 10-minute timeframe.

Indicative Contents

المحتويات الإرشادية

Theory Lectures

Lecture One: First Aid and Emergency Nursing [SSWL= 2 hrs]

- Principles and Goals of First Aid.
- The Role and Responsibilities of a First Aider.
- Legal and Ethical Considerations in Emergency Care.
- The Difference Between First Aid and Emergency Nursing.

Lecture Two: First Aid Kit and Techniques [SSWL=2 hrs]

- Essential Contents of a Basic First Aid Kit.
- Proper Use of Bandages, Dressings, and Antiseptics.
- Techniques for Moving and Transporting Injured Persons.
- Infection Control and Personal Protective Equipment (PPE).

Lecture Three: Primary Assessment [SSWL=2 hrs]

- The DRABC / CAB Approach (Danger, Response, Airway, Breathing, Circulation).
- Assessing Level of Consciousness (AVPU Scale).
- Techniques for Opening and Maintaining an Airway.
- Checking for Breathing and Signs of Circulation.

Lecture four: Lifesaving Priorities [SSWL=2 hrs]

- Basic Life Support (BLS): Chest Compressions and Rescue Breaths.
- Advanced Life Support (ALS): Use of AED and Advanced Airway Management.
- Pediatric Life Support (PALS): Modifications for Infants and Children.
- Neonatal Advanced Life Support (NALS): Resuscitation Guidelines for Newborns.

Lecture five: Respiratory Emergencies [SSWL=2 hrs]

- Recognizing Signs of Respiratory Distress (Choking, Asthma, Anaphylaxis).
- First Aid for Airway Obstruction (Heimlich Maneuver).
- Management of Acute Asthma Attack and Hyperventilation.
- Supplemental Oxygen Use and Positioning for Breathing Difficulties.

Lecture six: Circulatory Emergencies [SSWL=2 hrs]

- Recognizing Signs of a Heart Attack (Myocardial Infarction).
- First Aid for Cardiac Arrest and Use of an AED.
- Management of Stroke (FAST Assessment).
- Control of Severe External and Internal Bleeding.

Lecture seven: Nervous System Emergencies [SSWL=2 hrs]

- Recognizing and Managing Seizures.
- Assessment and First Aid for Head and Spinal Injuries.
- Signs and Management of Stroke (Revisited in a Neurological Context).
- Altered Mental Status: Fainting (Syncope) vs. Coma.

Lecture eight: Wounds, Burns, and Injuries [SSWL=2 hrs]

- Types of Wounds: Abrasions, Lacerations, Punctures, and Avulsions.
- Principles of Wound Cleaning, Dressing, and Bandaging.
- Classification and Management of Burns (1st, 2nd, 3rd Degree).
- Prevention of Infection and Tetanus Prophylaxis.

Lecture nine: Eye, Dental, Nasal, and Ear Injuries [SSWL=2 hrs]

- First Aid for Foreign Objects in the Eye and Chemical Burns.

- Management of Knocked-Out (Avulsed) Tooth and Oral Injuries.
- Controlling Nosebleeds (Epistaxis) and Assessing for Skull Fracture.
- First Aid for Direct Trauma to the Ear and Foreign Objects in the Ear/Nose.

Lecture teen: Fractures [SSWL=2 hrs]

- Differentiating Between Open and Closed Fractures.
- Principles of Splinting: Immobilization Techniques.
- Recognizing and Managing Suspected Spinal Fractures.
- Complications of Fractures: Compartment Syndrome and Shock.

Lecture eleven: Musculoskeletal and Sports Injuries [SSWL=2 hrs]

- The RICE Protocol (Rest, Ice, Compression, Elevation) for Sprains and Strains.
- Recognizing and Managing Dislocations and Muscle Cramps.
- Common Sports Injuries: Ankle Sprain, Tennis Elbow, ACL Tear.
- Principles of Injury Prevention and Safe Return to Activity.

Lecture twelve: Shock [SSWL=2 hrs]

- Understanding the Pathophysiology of Shock.
- Recognizing the Different Types of Shock (Hypovolemic, Cardiogenic, Anaphylactic).
- Key Signs and Symptoms of Progressive Shock.
- First Aid Management and Positioning for Shock.

Lecture thirteen: Poisoning [SSWL=2 hrs]

- Routes of Poisoning: Ingestion, Inhalation, Injection, Absorption.
- First Aid for Ingested Poisons and the Role of Poison Control Centers.
- Managing Chemical Exposure to Skin and Eyes.
- Recognizing and Responding to Drug Overdose and Carbon Monoxide Poisoning.

Lecture fourteen: Bites and Stings [SSWL=2 hrs]

- First Aid for Snake Bites and Animal Bites (Rabies Prevention).
- Managing Insect Stings (Bees, Wasps) and Tick Bites.
- Recognizing and Treating Allergic Reactions to Bites/Stings (Anaphylaxis).
- Identifying and Responding to Marine Animal Stings (Jellyfish, Stingrays).

Lecture fifteen: Environmental Emergencies [SSWL=2 hrs]

- Recognition and First Aid for Heat-Related Illnesses (Heat Stroke, Heat Exhaustion).
- Management of Cold-Related Injuries (Hypothermia and Frostbite).
- First Response for Drowning and Electrical Shock Incidents.
- Essential Actions for Lightning Strike Victims.

Total hrs = 30 + (1 hrs+ 2 hrs) =30+3=33

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies

- **Structured & Consistent Framing:**
 - Use a consistent framework for every emergency (e.g., **Definition** → **Causes** → **Signs & Symptoms** → **First Aid Priorities**). This provides a clear mental model for students.
- **Integrated Case Studies & Scenarios:**
 - Present real-world **Case Studies** and have students discuss their theoretical intervention steps in groups or as a class.
 - Constantly ask: "**What is the immediate life-threat?**" and "**What is your priority action?**"
- **Strong Visual Reinforcement:**
 - Use **realistic images** (of wounds, burns, rashes) and **clear diagrams** (of the respiratory system, circulatory system).
 - Incorporate **short videos** demonstrating a technique or showing a clinical presentation (e.g., a seizure, an asthma attack).
- **Interactive Feedback:**
 - Use **quick polls or quizzes** (e.g., via Kahoot or Mentimeter) to check understanding of key concepts immediately after explaining them.
 - Facilitate **group discussions** to solve scenarios, guiding students to the correct answer rather than giving it outright.
- **Focus on "The Why":**
 - Always explain the *reasoning* behind an action. Emphasize the consequences of *not* performing a step correctly (e.g., "Why do we use the recovery position? What happens if we don't?").

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ أسبوعاً

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	2.20
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	1.13
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	50		

Module Evaluation																															
تقييم المادة الدراسية																															
		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome												
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	L01	L02	L03	L04	L05	L06	L07	L08	L09	L010			
Formative	Quizzes	2	5%					X						X														X			
	Report	1	10%													X			X												
	Lab Report	-	-																												
	Project	1	10%										X							X								X			
	Online Assig.	2	5%				X											X	X			X	X					X			
	Onsite Assig.	-	-																												
	Seminar	1	10%						X						X																
Summative	Mid. Exam	1H	10% (10)							X																		X			
	Final Exam	2H	50% (50)	Week 15															X				X	X							
Total assessment			100%																												

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي النظري	
	Material Covered
Week 1	First aid and emergency nursing.
Week 2	First aid kit and techniques.
Week 3	Primary assessment.
Week 4	Lifesaving priorities {basic life support (BLS), advanced life support (ALS), pediatric life support (PALS), neonatal advanced life support (NALS)}.
Week 5	Respiratory emergencies.
Week 6	Circulatory emergencies.
Week 7	Nervous system emergencies.
Week 8	Wounds, burns and injuries
Week 9	Eye, dental, nasal, and ear injuries
Week 10	Fractures
Week 11	Musculoskeletal and sports injuries
Week 12	Shocks
Week 13	Poisoning
Week 14	Bites and stings
Week 15	Environmental Emergencies

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Indrani, T. K., & Lamniang, T. (2023). First Aid for Nurses (3rd ed.). Jaypee Brothers Medical Publishers.	Yes
Recommended Texts	Perdita, A. H. M. (2017). A textbook of first aid (1st ed.). Vikas Publishing House. ISBN 9789382711254	No

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX - Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F - Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

MODULE DESCRIPTION FORM

وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Human Rights and Democracy		Module Delivery	
Module Type	Support		Method	h/week
Module Code	NUR1111006		Theory	2
ECTS Credits	2 ECTS		Lecture	-
SWL (hr/sem)	50		Lab	-
			Tutorial	-
			Practical	-
			Seminar	-
Module Level	UG I	Semester of Delivery	1st Semester	
Administering Branch	Basic Sciences	College	NUR	
Module Leader	Ahmed yaqoob ibrahim	e-mail	ahmedyaa@alameed.edu.iq	
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Ph.D.	
Module Tutor	Ahmed yaqoob ibrahim	e-mail	ahmedyaa@alameed.edu.iq	
Peer Reviewer Name	Ahmed yaqoob ibrahim	e-mail	ahmedyaa@alameed.edu.iq	
Scientific Committee Approval Date	November 2, 2025	Version Number	1.0	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	1. فهم المبادئ الأساسية لحقوق الإنسان والديمقراطية وأهميتها في بناء المجتمعات. 2. تحديد الاتفاقيات الدولية والإقليمية التي تنظم حقوق الإنسان وتحميها. 3. تعزيز الوعي بالحقوق والواجبات الفردية والجماعية في المجتمع. 4. تنمية ثقافة التسامح، والمساواة واحترام التنوع والاختلاف. 5. تعميق فهم مفاهيم المشاركة السياسية والحكم الرشيد. 6. تشجيع الممارسات الديمقراطية في الحياة اليومية والمجتمعية.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. معرفة مراحل تطور حقوق الإنسان في تاريخ البشرية. 2. التعريف بالمجتمع الدولي وحقوق الإنسان المعاصر. 3. بيان واجبات الإنسان والقيود الواردة على ممارسة حقوق الإنسان. 4. التعرف بآليات الأمم المتحدة لحماية حقوق الإنسان. 5. معرفة المنظمات والهيئات الدولية المعنية بالدفاع عن حقوق الإنسان. معرفة الديمقراطية المعاصرة ومفاهيمها. 7. بيان العلاقة بين حقوق الإنسان و الديمقراطية. 8. معرفة ضمانات الحرية والحقوق العامة.
Indicative Contents المحتويات الإرشادية	<u>المحاضرات النظرية</u> الاسبوع الأول :- تعريف حقوق الإنسان وأهميتها [2 ساعة] • تعريف حقوق الإنسان وخصائصها وأهميتها • أنواع حقوق الإنسان (الحقوق السياسية الجيل الأول و الحقوق الاجتماعية و الاقتصادية الجيل الثاني و الحقوق البيئية و التنمية . الاسبوع الثاني: انواع حقوق الإنسان [2 ساعة] • انواع حقوق الإنسان في الشريعة الإسلامية • انواع حقوق الإنسان في دستور جمهورية العراق لعام 2005م الاسبوع الثالث: الآليات الوطنية و الإجرائية لحقوق الإنسان[2 ساعة] • الآليات الوطنية العامة لحقوق الإنسان (احترام السلطات العامة للحقوق و الحريات ، الفصل بين السلطات العامة ، استقلال القضاء و مبدأ المواطنة) • الآليات الوطنية الخاصة بحقوق الإنسان(المؤسسات الرقابية، المؤسسات التوعوية) الاسبوع الرابع: تعريف الشريعة الدولية لحقوق الإنسان وعناصرها [2 ساعة] • تعريف الشريعة الدولية لحقوق الإنسان • مواثيق الشريعة الدولية لحقوق الإنسان(الإعلان العالمي لحقوق الإنسان و العهدان الدوليان للحقوق لعام 1966) • إطار الشريعة الدولية لحقوق الإنسان الاسبوع الخامس: حقوق الفئات الخاصة (الحقوق الفئوية) [2 ساعة] • حقوق المرأة و الطفل و الشباب • حقوق ذوي الإعاقة و الأقليات • الآليات و الإجراءات الوطنية لتطبيق الحقوق الخاصة الاسبوع السادس:مكافحة الانتهاكات الجسيمة لحقوق الإنسان [2 ساعة] • اتفاقية مناهضة التعذيب وغيرها • الاتفاقية الدولية لحماية جميع الأشخاص من الاختفاء القسري لعام 2006

الاسبوع السابع: العلاقة بين قانون الدولي الإنساني و قانون حقوق الإنسان [2 ساعة]

- مبادئ قانون الدولي الإنساني
- العلاقة بين القانون الدولي الإنساني وقانون الدولي لحقوق الإنسان
- الآليات الوطنية و الأجرائية لتطبيق قانون الدولي الإنساني وقانون حقوق الإنسان

الاسبوع الثامن: الانتهاكات الجسيمة لحقوق الإنسان في العراق [2 ساعة]

- الانتهاكات الجسيمة لحقوق الإنسان في الفترة السابقة لعام 2003
- تطبيقات الانتهاكات الجسيمة لحقوق الإنسان في العراق بعد عام 2003

الاسبوع التاسع: مجلس حقوق الإنسان ومهامه و آلياته [2 ساعة]

- تعريف مجلس حقوق الإنسان ومهامه
- آليات عمل المجلس
- آليات الاستعراض الدوري الشامل في مجلس حقوق الإنسان .

الاسبوع العاشر: آليات الحماية الدولية لحماية حقوق الإنسان[2 ساعة]

- الآليات الدولية لحماية حقوق الإنسان (دور الامم المتحدة في حماية حقوق الإنسان، المحكمة الجنائية الدولية)
- الآليات الإقليمية لحماية حقوق الإنسان(الاتفاقية الأوروبية ، الاتفاقية الأمريكية ، الميثاق العربي).
- الآليات الوطنية و الأجرائية لحماية حقوق الإنسان .

الاسبوع الحادي عشر: التحديات التي تواجه حقوق الإنسان [2 ساعة]

- التحديات القانونية و السياسية
- قضايا حقوق الإنسان المعاصرة.

الاسبوع الثاني عشر: التعريف بالديمقراطية وتطورها وأنماطها [2 ساعة]

- تعريف الديمقراطية .
- الجذور التاريخية للديمقراطية .
- تطور الديمقراطية في العصور الحديثة
- الديمقراطية في القرن العشرين .
- أنماط الديمقراطية (من حيث العلاقة مع النظام السياسي، من حيث العلاقة مع الشعب).

الاسبوع الثالث عشر: مبادئ الحكم الديمقراطي و الأحزاب السياسية[2 ساعة]

- أهمية فصل السلطات في الديمقراطية .
- آليات ضبط و التوازن .
- الانتخابات كآلية للديمقراطية .
- الأحزاب السياسية (مفهوم الحزب السياسي و أنواعها - الكادري، الجماهيري، حزب كل شيء- والنظم الحزبية).

الاسبوع الرابع عشر: الأنظمة الديمقراطية المقارنة [2 ساعة]

- النظام الرئاسي.
- النظام البرلماني.
- النظام شبه الرئاسي.

الاسبوع الخامس عشر: الديمقراطية الرقمية والتجربة الديمقراطية في العراق بعد عام 2003 [2 ساعة]

- مفهوم الديمقراطية الرقمية .
- مزايا الديمقراطية الرقمية.
- التجربة الديمقراطية في العراق .

Total hrs = $\sum \text{SSWL} + (\text{Mid Exam hrs} + \text{Final Exam hrs}) = 30 + 3 = 33$

Learning and Teaching Strategies	
استراتيجيات التعلم والتعليم	
Strategies	1- استراتيجيات قائمة على الحوار والنقاش مثل العصف الذهني، المناظرة والمناقشة الموجهة. 2- استراتيجيات قائمة على التعلم التعاوني مثل التعلم القائم على المشروع، التعلم بالخدمة المجتمعية والتعلم الجماعي. 3- استراتيجيات قائمة على المواقف والمحاكاة مثل تمثيل الأدوار، دراسة الحالة والمحاكاة. 4- استراتيجيات قائمة على التفكير النقدي مثل حل المشكلات والتفكير الناقد والتحليل. 5- استراتيجيات توظيف التكنولوجيا مثل استخدام العروض التفاعلية والفيديوهات التعليمية.

Student Workload (SWL)			
الحمل الدراسي للطلاب محسوب لـ 15 أسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	2.20
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	1.13
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	50		

Module Evaluation																													
تقييم المادة الدراسية																													
		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome										
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	L01	L02	L03	L04	L05	L06	L07	L08	L09	L010	
Formative	Quizzes	2	5%					x								x			x										
	Report	1	10%									x						x			x								
	Lab Report	-	-																										
	Project	1	10%							x											x								
	Online Assig.	2	5%				x				x																		
	Onsite Assig.	-	-																										
	Seminar	-	-																										
Summative	Mid. Exam	1H	10% (10)						x										x										
	Final Exam	2H	50% (50)	Week 15															X				x	x					
Total assessment			100%																										

x

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	تعريف حقوق الإنسان وأهميتها
Week 2	انواع حقوق الإنسان
Week 3	الآليات الوطنية و الإجرائية لحقوق الإنسان
Week 4	تعريف الشرعية الدولية لحقوق الإنسان وعناصرها
Week 5	حقوق الفئات الخاصة (الحقوق القوية)
Week 6	مكافحة الانتهاكات الجسيمة لحقوق الإنسان
Week 7	العلاقة بين قانون الدولي الإنساني و قانون حقوق الإنسان
Week 8	الانتهاكات الجسيمة لحقوق الإنسان في العراق
Week 9	مجلس حقوق الإنسان ومهامه و آلياته
Week 10	آليات الحماية الدولية لحماية حقوق الإنسان
Week 11	التحديات التي تواجه حقوق الإنسان
Week 12	التعريف بالديمقراطية وتطورها وانماطها
Week 13	مبادئ الحكم الديمقراطي و الأحزاب السياسية
Week 14	الأنظمة الديمقراطية المقارنة
Week 15	الديمقراطية الرقمية والتجربة الديمقراطية في العراق بعد عام 2003

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	د. مهدي ضياء الخزرجي، د. مصدق عادل، حقوق الإنسان وحرياته، مكتبة السنهوري،	No

	2019 د. علي فرج الظاهري ، الديمقراطية شبة مباشرة وتطبيق مظاهرها في بعض الدول الديمقراطية المعاصرة، منشورات الحلبي الحقوقية، بيروت، 2010	
Recommended Texts	د. حميد حنون الساعدي، حقوق الإنسان، الطبعة الاولى، مكتبة السنهوري، بغداد، 2013	No
Websites	الاعلان العالمي لحقوق الإنسان منشور على الموقع التالي: https://www.un.org	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
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	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Anatomy and Physiology for Nurses II		Module Delivery	
Module Type	Basic		Method	h/week
Module Code	NUR1212101		Theory	3
ECTS Credits	8 ECTS		Lecture	-
SWL (hr/sem)	200		Lab	2
			Tutorial	-
			Practical	-
			Seminar	-
Module Level	UG I	Semester of Delivery	2nd Semester	
Administering Branch	Basic Sciences	College	NUR	
Module Leader	Dr. Hussein Allawi Hussein Al-Ghanimi	e-mail	hughanimi@alameed.edu.iq	
Module Leader's Acad. Title	Assistant Professor	Module Leader's Qualification	Ph.D.	
Module Tutor	Dr. Hussein Allawi Hussein Al-Ghanimi M.Sc. Zainab Hashim Ali M. Sc. Asmaa Faisal Rudhan	e-mail	hughanimi@alameed.edu.iq za.al-mosawi@alameed.edu.iq	
Peer Reviewer Name	Prof. Dr. Basim MH Zwain	e-mail	basimzwain@alameed.edu.iq	
Scientific Committee Approval Date	Click or tap to enter a date.	Version Number	1.0	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	Anatomy and Physiology for Nurses I	Semester	UG I, 1st Semester
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	1. To elucidate the physiological responses of the human body to alterations in the internal and external environment.. 2. To incorporate knowledge of anatomy and physiology into nursing and clinical procedures. 3. To improve critical thinking and problem-solving abilities by establishing a connection between the structure and function of health and illness. 4. To understand the significance of homeostasis and how it is regulated in various organ systems. 5. Demonstrate an understanding of cellular and tissue organization as the structural and functional foundation of the body. 6. To identify the functional integration between organ systems in maintaining vital life processes. 7. To utilize accurate scientific terminology related to anatomy and physiology in both written and oral communication. 8. Promote appreciation of the human body's complexity, adaptability, and harmony through theoretical and practical learning experiences.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Apply theoretical knowledge to solve clinical case studies related to human physiology. 2. Evaluate the interactions between the cardiovascular, respiratory, and nervous systems in maintaining body functions. 3. Recognize the ethical and safety requirements in laboratory and clinical practice. 4. Utilize correct anatomical and physiological terminology in oral and written communication. 5. Demonstrate awareness of the human body's adaptability under normal and pathological conditions. 6. Solve clinical case studies about human physiology by applying theoretical information. 7. Examine how the respiratory, neurological, and cardiovascular systems interact to sustain bodily functioning. 8. Understand the safety and ethical standards for clinical and laboratory work. 9. When communicating verbally and in writing, use appropriate anatomical and physiological vocabulary. 10. Describe the morphology, function, and appearance of several types of white blood cells (leukocytes) under a microscope.
Indicative Contents المحتويات الإرشادية	<u>Theory Lectures</u> The respiratory system [SSWL= 3 hrs.] • Organization of the respiratory system • The upper respiratory tract • The lower respiratory tract • Internal and External respiration The mechanics of breathing [SSWL= 3 hrs.]

- Respiration
- Pulmonary ventilation
- Gaseous exchange
- Acid–base balance

The male reproductive systems [SSWL= 3 hrs.]

- The testes
- Spermatogenesis
- The scrotum

The Female reproductive system [SSWL= 3 hrs.]

- The primary genitalia
- The internal organs
- The external genitalia

Secondary sexual organs [SSWL= 3 hrs.]

- Growth of facial and body hair
- Increased muscle mass and heavier bones
- The breasts development

The nervous system [SSWL= 3 hrs.]

- Organization of the nervous system
- Sensory division of the peripheral nervous system
- Central nervous system
- Somatic nervous system

Autonomic nervous system [SSWL= 3 hrs.]

- Neurons
- Sensory (afferent) nerves
- Motor (efferent) nerves
- The action potential

The meninges [SSWL= 3 hrs.]

- Cerebrospinal fluid
- The brain
- Cerebrum
- The spinal cord

The endocrine system [SSWL= 3 hrs.]

- The endocrine organs
- Hormones
- The transportation of hormones
- Control of hormone release

The physiology of the endocrine organs [SSWL= 3 hrs.]

- The hypothalamus and the pituitary gland
- The thyroid gland and parathyroid glands
- The adrenal gland
- Pancreas

The immune system [SSWL= 3 hrs.]

- Organs of the immune system

- The thymus
- The lymphatic system
- Lymph nodes
- Lymphoid tissue

Types of immunity [SSWL= 3 hrs.]

- The innate immune system
- Blood cells of the immune system
- The acquired immune system
- Humoral immunity (B-cell)

The senses [SSWL= 3 hrs.]

- The chemical senses
- The sense of smell (olfaction)
- The sense of taste
- The tongue

The sense of sight [SSWL= 3 hrs.]

- Lacrimal apparatus
- The eye
- The processing of visual information

The senses of equilibrium and hearing [SSWL= 3 hrs.]

- The structure of the ear
- Equilibrium
- Hearing

Lab. Lectures

Respiratory organs tissue [SSWL= 2 hrs.]

- Respiratory organs layers
- Respiratory organs parts
- Locations of Respiratory parts

Male Reproductive parts [SSWL= 2 hrs.]

- tests tissue
- The scrotum tissue
- Locations of male reproductive parts

Female reproductive parts [SSWL= 2 hrs.]

- External layers
- Uterus and breast tissue
- Locations of female reproductive parts

Embryonic development and spermatogenesis [SSWL= 2 hrs.]

- Primordial germ cells
- Initiation of sperm production
- Spermatogonial phase

Platelets and bleeding time [SSWL= 2 hrs.]

- Platelets functions
- Bleeding time procedure
- Factors effecting of bleeding time

Prothrombin time and clotting time [SSWL= 2 hrs.]

- Factors effecting of Prothrombin time
- Factors effecting of clotting time
- Normal range

Microscopic anatomy of Nervous tissue [SSWL= 2 hrs.]

- Neuroglia
- Nerve cells parts
- Peripheral nerve tissue

Microscopic anatomy of brain [SSWL= 2 hrs.]

- Location of brain parts
- meninges layers
- cranial nerve tissue

Microscopic anatomy of glands [SSWL= 2 hrs.]

- Location of brain parts
- meninges layers
- cranial nerve tissue

Types of glands [SSWL= 2 hrs.]

- Exocrine, endocrine and mixed
- Holocrine gland
- Apocrine and merocrine glands

Microscopic anatomy of lymphatic tissue [SSWL= 2 hrs.]

- Types of lymphatic cells
- Structure of thymus gland
- Structure of lymph node

Blood film [SSWL= 2 hrs.]

- Granulocytes types
- Agranulocytes types
- Functions of WBC

Microscopic anatomy of sense organs [SSWL= 2 hrs.]

- Microscopic anatomy of eye
- Microscopic anatomy of ear
- Microscopic anatomy of tongue

Visual test [SSWL= 2 hrs.]

- Pupillary Reflex
- Visual Acuity Test
- Stereoscopic & Visual Field Tests

Vestibular and balance test [SSWL= 2 hrs.]

- Romberg's Test
- Barany's Chair Test
- Tandem Walking

Total hrs = $\sum$ SSWL + (Mid Exam hrs+ Final Exam hrs) =75+4=79

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies

1. Interactive Lectures
2. Project-Based Learning
3. Case Studies
4. Group Discussions and Presentations.

Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ أسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	79	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	5.27
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	121	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	8.07
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	200		

Module Evaluation

تقييم المادة الدراسية

		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome									
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10
Formative	Quizzes	2	5%			X					X								X						X			
	Report	1	5%													X						X						
	Lab Report	1	5%								X												X					
	Project	-	-																									
	Online Assig.	2	5%					X					X								X						X	
	Onsite Assig.	1	10%							X															X			
	Seminar	-	-																									
Summative	Mid. Exam	1H	10% (10)						X													X						X
	Final Exam	3H	50% (50)	Week 15															X	X	X	X	X	X	X	X	X	X
Total assessment			100%																									

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	The respiratory system
Week 2	The mechanics of breathing
Week 3	The male reproductive systems
Week 4	The Female reproductive system
Week 5	Secondary sexual organs
Week 6	The nervous system
Week 7	Autonomic nervous system
Week 8	The meninges
Week 9	The endocrine system
Week 10	The physiology of the endocrine organs
Week 11	The immune system
Week 12	Types of immunity
Week 13	The senses
Week 14	The sense of sight
Week 15	The senses of equilibrium and hearing

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Respiratory organs tissue
Week 2	Male Reproductive parts
Week 3	Female reproductive parts
Week 4	Embryonic development and spermatogenesis
Week 5	Platelets and bleeding time
Week 6	Prothrombin time and clotting time
Week 7	Microscopic anatomy of Nervous tissue
Week 8	Microscopic anatomy of brain
Week 9	Microscopic anatomy of glands

Week 10	Types of glands
Week 11	Microscopic anatomy of lymphatic tissue
Week 12	Blood film
Week 13	Microscopic anatomy of sense organs
Week 14	Visual test
Week 15	Vestibular and balance test

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	• Marieb, Elaine N. and Smith, Lori A. <u>Human Anatomy & Physiology Laboratory Manual</u>. 12th Edition. Pearson Education Limited, United Kingdom, 2023. • Widmaier, E. P., Raff, H., and Stang, K. T. <u>Vander's Human Physiology: The Mechanisms of Human Body</u>. 15th Edition, Mac Graw Hill Education, USA, 2019.	No
Recommended Texts	Chandrasekar, M. and Mishra, N. <u>Practical Physiology Book</u> . 2 nd Edition, Jaypee Brothers Medical Publishers (P) Ltd, India, 2014.	No
Websites	• https://www.pearson.com/en-gb/subject-catalog/p/human-anatomy--physiology-laboratory-manual-main-version-global-edition/P200000007224/9781292742595?srsId=AfmBOoquLM9X1d_wkGC8HG9cWfvAzLhJySov8YGZbPLBBubSR4NUdhI • https://www.mheducation.co.uk/vander-s-human-physiology-ise-9781265131814-emea-group • https://www.jaypeedigital.com/book/9789350907412	

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria

Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

MODULE DESCRIPTION FORM

وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Code of Ethics		Module Delivery	
Module Type	Support		Method	h/week
Module Code	NUR1211002		Theory	15
ECTS Credits	2 ECTS		Lecture	-
SWL (hr/sem)	50		Lab	-
			Tutorial	-
			Practical	-
Seminar	-	-		
Module Level	UG I	Semester of Delivery	2nd Semester	
Administering Branch	Fundamentals of Nursing	College	NUR	
Module Leader	Ali Falah Hassen	e-mail	falahali048@gmail.com	
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	Msc.	
Module Tutor	Abbas Fadhil Mousa	e-mail	ab.hussainy@alameed.edu.iq	
Peer Reviewer Name	Safi Dakhil Noam	e-mail	Safi. dakhil@uokerbala.edu.iq	
Scientific Committee Approval Date	November 2, 2025	Version Number	1.0	

Relation with other Modules

العلاقة مع المواد الدراسية الأخرى

Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives

أهداف المادة الدراسية

- Define the fundamental concepts of ethics, morals, and values and explain their relevance to professional nursing practice.
- Describe the historical evolution of nursing ethics and analyze how past developments shaped contemporary ethical standards.
- Compare and contrast major ethical theories (deontology, utilitarianism, virtue ethics, care ethics) and apply them to clinical decision-making.
- Interpret and utilize professional codes of ethics (ICN, ANA, and national codes) to guide ethical nursing behavior.
- Demonstrate the ability to apply ethical decision-making models when facing complex clinical dilemmas.
- Evaluate ethical issues related to patient autonomy, informed consent, and confidentiality within diverse healthcare contexts.
- Assess situations involving beneficence, non-maleficence, and justice, ensuring equitable and safe nursing care.
- Integrate cultural, religious, and legal considerations into ethical decision-making to provide holistic and culturally competent care.
- Collaborate effectively with healthcare teams and ethics committees to resolve ethical conflicts and promote patient advocacy.
- Exhibit professional integrity, accountability, and commitment to lifelong ethical practice, considering emerging global challenges such as technology and AI in healthcare.

Module Learning Outcomes

مخرجات التعلم للمادة
الدراسية

- Identify key ethical concepts and terminology in nursing with 90% accuracy by the end of the course.
- Describe the historical development of nursing ethics and its impact on modern practice in a written assignment.
- Apply at least two major ethical theories to analyze clinical nursing scenarios during case study discussions.
- Interpret professional codes of ethics (ICN, ANA) and explain their relevance in daily nursing practice.
- Demonstrate effective use of ethical decision-making models to resolve clinical dilemmas in simulated exercises.
- Explain the principles of patient autonomy and informed consent and assess their application in clinical settings.
- Evaluate ethical issues involving confidentiality and professional boundaries through group presentations.
- Analyze situations requiring beneficence, non-maleficence, and justice, proposing ethically sound nursing actions.
- Integrate cultural and religious considerations into ethical nursing care plans with cultural sensitivity.
- Exhibit professional accountability and ethical responsibility by reflecting on personal nursing practice in a reflective journal.

Indicative Contents

المحتويات الإرشادية

Theory Lectures

Lecture One: Introduction to Nursing Ethics [SSWL= 2 hrs]

- Definition and importance of ethics in nursing

- Differences between ethics, morals, and values

Lecture Two: Historical Development of Nursing Ethics [SSWL=2 hrs]

- Evolution of nursing as a moral practice
- Florence Nightingale's influence on nursing ethics

Lecture Three: Ethical Theories and Moral Philosophy [SSWL=2 hrs]

- Deontology and Utilitarianism in nursing decisions
- Principles of virtue and care ethics

Lecture four: Professional Codes of Ethics (ICN, ANA, National) [SSWL=2 hrs]

- Structure and purpose of the ICN Code of Ethics
- Comparison between ICN and ANA ethical codes

Lecture five: Ethical Decision-Making Models [SSWL=2 hrs]

- Steps of ethical decision-making process
- Application of models to clinical situations

Lecture six: Patient Autonomy and Informed Consent [SSWL=2 hrs]

- Rights of patients to make decisions
- Components and limitations of informed consent

Lecture seven: Confidentiality and Professional Boundaries [SSWL=2 hrs]

- Maintaining patient confidentiality and privacy
- Managing professional and personal boundaries

Lecture eight: Beneficence and Non-maleficence in Nursing Practice [SSWL=2 hrs]

- Promoting good and preventing harm
- Ethical management of medical errors

Lecture nine: Justice and Ethical Resource Allocation [SSWL=2 hrs]

- Fair distribution of healthcare resources
- Ethical dilemmas in triage and prioritization

Lecture teen: End-of-Life Care and Palliative Ethics [SSWL=2 hrs]

- Ethical issues in withdrawal of life support
- Respecting patient dignity in terminal care

Lecture eleven: Cultural and Religious Aspects in Ethical Decision-Making [SSWL=2 hrs]

- Cultural values affecting ethical choices
- Respect for religious diversity in nursing practice

Lecture twelve: Ethical Issues in Specialized Areas (ICU, Pediatrics, Mental Health) [SSWL=2 hrs]

- Ethical challenges in critical and intensive care
- Protecting vulnerable patients (children, psychiatric clients)

	Lecture thirteen: Legal and Professional Accountability in Nursing [SSWL=2 hrs] • Legal responsibilities and nursing malpractice • Documentation and reporting obligations Lecture fourteen: Role of Ethics Committees and Institutional Policies [SSWL=2 hrs] • Functions of hospital ethics committees • Developing and applying ethical policies in institutions Lecture fifteen: Professionalism, Self-Care, and Emerging Ethical Challenges [SSWL=2 hrs] • Maintaining professionalism and ethical conduct • Ethical implications of technology and artificial intelligence in nursing Total hrs = 30 + (1 hrs+ 2 hrs) =30+3=33
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Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	1. Interactive Lectures • Used to introduce ethical concepts, theories, and professional codes through guided discussion and questioning. 2. Case-Based Learning (CBL) • Students analyze real or simulated ethical dilemmas to apply theoretical knowledge in practical situations. 3. Group Discussion and Debate • Encourages critical thinking and multiple viewpoints on controversial ethical issues in nursing practice. 4. Role Play and Simulation • Students act out clinical scenarios involving informed consent, confidentiality, or end-of-life care to enhance ethical decision-making skills. 5. Problem-Based Learning (PBL) • Small groups identify ethical problems in nursing cases and develop reasoned, evidence-based solutions. 6. Reflective Journals • Learners record personal reflections on ethical experiences during clinical practice to foster self-awareness and professional growth. 7. Seminars and Student Presentations • Students prepare and present selected ethical topics, improving communication and analytical skills. 8. Use of Audio-Visual Materials • Videos, documentaries, or short films illustrating real ethical conflicts to enhance understanding and empathy. 9. Guest Lectures / Expert Panels • Inviting experienced nurses, ethicists, or legal professionals to discuss real-world ethical challenges. 10. Online and Independent Learning

Student Workload (SWL)			
الحمل الدراسي للطالب محسوب لـ 15 أسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	2.20
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	42	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	2.80
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	75		

Module Evaluation																												
تقييم المادة الدراسية																												
		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome									
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10
Formative	Quizzes	4	5%					X			X			X			X		X	✓			X		✓	✓	✓	X
	Report	1	10%												X				X	✓	✓	X		✓	✓	✓	✓	X
	Lab Report	-	-																									
	Project	1	5%									X							X	✓		X	X	✓	✓			
	Online Assig.	2	5%						X								X		X	✓		X	X	✓	✓	✓		
	Onsite Assig.	-	-																									
	Seminar	2	15%							X			X							✓			X		✓	✓		
Summative	Mid. Exam	1H	10% (10)																X			X		✓				
	Final Exam	2H	50% (50)	Week 15															X	✓	✓	X	X	✓	✓	✓	✓	✓
Total assessment			100%																									

Delivery Plan (Weekly Syllabus)	
المنهاج الأسبوعي النظري	
	Material Covered
Week 1	Introduction to Nursing Ethics
Week 2	Historical Development of Nursing Ethics
Week 3	Ethical Theories and Moral Philosophy

Week 4	Professional Codes of Ethics (ICN, ANA, National)
Week 5	Ethical Decision-Making Models
Week 6	Patient Autonomy and Informed Consent
Week 7	Confidentiality and Professional Boundaries
Week 8	Beneficence and Non-maleficence in Nursing Practice
Week 9	Justice and Ethical Resource Allocation
Week 10	End-of-Life Care and Palliative Ethics
Week 11	Cultural and Religious Aspects in Ethical Decision-Making
Week 12	Ethical Issues in Specialized Areas (ICU, Pediatrics, Mental Health)
Week 13	Legal and Professional Accountability in Nursing
Week 14	Role of Ethics Committees and Institutional Policies
Week 15	Professionalism, Self-Care, and Emerging Ethical Challenges

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Butts, J. B., & Rich, K. L. (2022). Nursing Ethics: Across the Curriculum and Into Practice. Jones & Bartlett Learning.	Yes
Recommended Texts	Burkhardt, M. A., & Nathaniel, A. K. (2024). Ethics & issues in contemporary nursing (2nd ed.). Elsevier Health Sciences.	Yes

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

MODULE DESCRIPTION FORM

وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Fundamentals of Nursing II		Module Delivery	
Module Type	Core		Method	h/week
Module Code	NUR1213103		Theory	Frequency
ECTS Credits	12 ECTS		Lecture	4
SWL (hr/sem)	300		Lab	15
			Tutorial	-
			Practical	-
			Seminar	15
Module Level	UG I	Semester of Delivery	2nd Semester	
Administering Branch	Fundamentals of Nursing	College	NUR	
Module Leader	Ali Falah Hasen	e-mail	Falahali048@gmail.com	
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	Msc.	
Module Tutor	Ali Falah Hasen	e-mail	Falahali048@gmail.com	
Peer Reviewer Name	Fatima Makee Mahmmod	e-mail	fatima.makki@uokerbala.edu.iq	
Scientific Committee Approval Date	November 2, 2025	Version Number	1.0	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	Fundamentals of Nursing I	Semester	UG I, 1st Semester
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives

أهداف المادة الدراسية

- Explain the physiological principles underlying human needs related to sleep, nutrition, elimination, oxygenation, and comfort.
- Assess client conditions using systematic data collection and evidence-based assessment tools.
- Identify factors affecting sleep, nutrition, fluid balance, elimination, and pain perception.
- Demonstrate competency in basic nursing procedures related to patient nutrition, oxygen therapy, fluid balance, and elimination.
- Implement nursing interventions to promote adequate rest, nutrition, comfort, and elimination.
- Apply infection control and safety principles in all nursing procedures.
- Evaluate client responses to nursing interventions and modify care plans accordingly.
- Demonstrate effective communication and therapeutic interaction with patients experiencing physical or emotional distress.
- Provide nursing care for clients during preoperative, intraoperative, and postoperative phases.
- Deliver compassionate and holistic care to terminally ill patients and their families based on ethical and cultural principles.

Module Learning Outcomes

مخرجات التعلم للمادة
الدراسية

- Describe the physiology, functions, and stages of sleep and the sleep cycle.
- Identify factors affecting sleep and rest in different age groups and health conditions.
- Explain human nutritional needs and the principles of balanced diet and nutrition standards. And Identify factors influencing nutrition and problems interfering with food intake.
- Demonstrate nursing management for clients with nutritional imbalances or feeding difficulties.
- Explain the physiological mechanisms regulating body fluids, electrolytes, and acid– base balance.
- Assess fluid volume status and recognize clinical manifestations of imbalance.
- Implement appropriate nursing interventions to correct or prevent imbalances.
- Demonstrate the safe administration of oxygen therapy using different delivery systems.
- Explain the physiology and characteristics of normal urinary and bowel elimination.
- Implement nursing interventions to assist clients with urinary and bowel elimination problems.
- Explain the physiological process and theories of pain. Differentiate types and sources of pain.
- Apply pharmacological and non-pharmacological measures for effective pain management.
- Describe the types of surgery and the role of the nurse during each perioperative phase.
- Provide comprehensive nursing care in the preoperative, intraoperative, and postoperative stages.

Indicative Contents

المحتويات الإرشادية

Theory Lectures

Patient's needs rest and sleep [SSWL= 4]

- Physiology of Sleep

	• Functions of sleep, sleep phases, sleep cycles • Factors affecting sleep • Sleep assessment • Common sleep disorder.
	Nutrition (I) [SSWL= 4] • Human nutritional needs • Nutritional standards • Nutritional status assessment
	Nutrition (II) [SSWL= 4] • Factors affecting nutrition • Management of problems interfering with nutrition • Common hospital diet
	Fluid and chemical balance (I) [SSWL= 4] • Body fluid, electrolytes and acid-base balance • Fluid volume assessment
	Fluid and chemical balance (II) [SSWL= 4] • Factors affecting body fluid, electrolytes and acid-base balance • Common fluid imbalance
	Oxygenation (I) [SSWL= 4] • Overview of anatomical and physiological of breathing • Assessing oxygenation
	Oxygenation (II) [SSWL= 4] • Oxygen therapy • Alteration in respiratory function
	Urinary system (I) [SSWL= 4] • Urinary elimination
	Overview of urinary elimination • Characteristics of urine
	Urinary system (II) [SSWL= 4] • Abnormal urinary elimination patterns • Assisting clients with urinary elimination
	Bowel Elimination [SSWL= 4] • Physiology of defecation • Assessment of bowel elimination • Common alterations in bowel • Measures of promote bowel elimination • Ostomy care
	Pain management (I) [SSWL= 4] • The process of pain • Pain theories • Types of pain
	Pain management (II) [SSWL= 4] • Pain assessment • Pain management • Documentation
	Pre and post-operative nursing care (I) [SSWL= 4] • Type of surgery

- Preoperative phases

Pre and post-operative nursing care (II) [SSWL= 4]

- Intraoperative phases and care
- Post-operative phases and care

Death and dying [SSWL= 4]

- Terminal illness and care
- Stage of dying
- Promoting acceptance
- Grieving

Clinical (Hospital) Training plan:

Sergey Ward – 2nd Floor (Female Ward) [SSWL= 12]

- Basic Nursing Care for Female Patients
- Orientation to hospital environment and ward policies.
- Review of infection control procedures.
- Assessment of personal hygiene, comfort, and rest needs.
- Documentation and communication with staff.

Sergey Ward – 2nd Floor (Male Ward) [SSWL= 12]

- Basic Nursing Care for Male Patients
- Apply body mechanics in patient movement.
- Assess and record vital signs.
- Promote rest and sleep hygiene.
- Observe patient privacy and dignity.

Sergey Ward – 3rd Floor (Female Ward) [SSWL= 12]

- Nutrition and Elimination Nursing
- Assess patients' nutritional status.
- Assist with feeding and special diets.
- Observe urinary and bowel elimination patterns.
- Maintain intake/output charts.

Sergey Ward – 3rd Floor (Male Ward) [SSWL= 12]

- Fluid and Electrolyte Balance
- Observe IV fluid administration.
- Assess for signs of dehydration and edema.
- Monitor and record fluid balance.
- Assist in IV therapy preparation.

Medical Ward (Female) Respiratory and Oxygenation Care [SSWL= 12]

- Perform respiratory assessment (rate, rhythm, depth).
- Assist with oxygen therapy.
- Perform oral suctioning under supervision.
- Educate patients on breathing exercises.

Medical Ward (Male) [SSWL= 12]

- Pain and Comfort Management
- Assess pain using standard pain scales.
- Apply non-pharmacological pain relief techniques.

- Observe medication administration for pain relief.
 - Provide comfort and positioning care.
- Operation Theater – 2nd Floor [SSWL= 12]
- Preoperative Nursing Care
 - Identify types of surgery and surgical instruments.
 - Prepare patient physically and psychologically for surgery.
 - Ensure informed consent and documentation.
 - Maintain sterile environment.
- Operation Theater – 3rd Floor [SSWL= 12]
- Intraoperative Nursing Care
 - Assist scrub nurse under supervision.
 - Apply principles of aseptic technique.
 - Prepare surgical field and instruments.
 - Observe anesthesia and patient positioning.
- Surgical Emergency Ward [SSWL= 12]
- Postoperative Nursing Care
 - Monitor vital signs and wound condition.
 - Assist in pain management and early ambulation.
 - Observe drain and catheter care.
 - Prevent postoperative complications.
- Medical Emergency Ward [SSWL= 12]
- Emergency and Critical Care Nursing
 - Observe triage and emergency response system.
 - Monitor airway, breathing, and circulation (ABCs).
 - Assist in first aid and CPR demonstration.
 - Document emergency interventions.
- Surgery Ward – 2nd Floor (Female Ward) [SSWL= 12]
- Urinary Elimination Care
 - Assess urinary output and characteristics.
 - Perform catheter care and measure urine output.
 - Educate patients about hydration and hygiene.
- Surgery Ward – 3rd Floor (Male Ward) [SSWL= 12]
- Bowel Elimination and Ostomy Care
 - Assess bowel patterns and manage constipation/diarrhea.
 - Provide ostomy care under supervision.
 - Record elimination patterns accurately.
- Medical Ward (Female) Nutrition and Feeding Support [SSWL= 12]
- Manage enteral feeding (NG tube observation).
 - Reinforce dietary modifications for chronic illness.
 - Monitor fluid and nutrient intake.
- Medical Ward (Male) Terminal and Palliative Care [SSWL= 12]
- Observe care of terminally ill patients.
 - Provide emotional and psychological support.
 - Communicate effectively with families during grief.
- Surgical Emergency / Rotation Review [SSWL= 12]
- Comprehensive Skill Integration and Evaluation

	- Perform integrated patient care using nursing process. - Demonstrate proficiency in documentation. - Final practical assessment and feedback session. Total hrs. = $\sum \text{SSWL} + (\text{Mid Exam hrs.} + \text{Final Exam hrs.}) = 240 + 4 = 244$
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Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	- Clinical Demonstration and Return Demonstration - Supervised Clinical Practice - Case Study and Bedside Teaching - Observation and Role Modeling - Problem-Based and Scenario-Based Learning - Feedback and Continuous Evaluation - Group Discussions and Presentations.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ 15 أسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	244	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعيا	16.27
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	56	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	3.73
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	300		

Module Evaluation																													
تقييم المادة الدراسية																													
		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome										
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10	
Formative	Quizzes	2	5%			X						X																	X
	Report	1	10%										X																
	Lab Report	1	5%											X															
	Project	-	-																										
	Online Assig.	-	-																										
	Onsite Assig.	2	15%							X							X		X										
	Seminar	1	5%					X																					
Summative	Mid. Exam	1H	10% (10)								X										X							X	

	Final Exam	3H	50% (50)	Week 15	X	◀	◀	X	X	◀	◀	◀	◀	X
Total assessment			100%											

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Patient's needs rest and sleep
Week 2	Nutrition (I)
Week 3	Nutrition (II)
Week 4	Fluid and chemical balance (I)
Week 5	Fluid and chemical balance (II)
Week 6	Oxygenation (I)
Week 7	Oxygenation (II)
Week 8	Urinary system (I)
Week 9	Urinary system (II)
Week 10	Bowel Elimination
Week 11	Pain management (I)
Week 12	Pain management (II)
Week 13	Pre and post-operative nursing care (I)
Week 14	Pre and post-operative nursing care (I)
Week 15	Death and dying

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الأسبوعي للمختبر

	Material Covered
Week 1	Sergey Ward – 2nd Floor (Female Ward)
Week 2	Sergey Ward – 2nd Floor (Male Ward)
Week 3	Sergey Ward – 3rd Floor (Female Ward)
Week 4	Sergey Ward – 3rd Floor (Male Ward)
Week 5	Medical Ward (Female) Respiratory and Oxygenation Care
Week 6	Medical Ward (Male)
Week 7	Operation Theater – 2nd Floor
Week 8	Operation Theater – 3rd Floor
Week 9	Surgical Emergency Ward
Week 10	Medical Emergency Ward
Week 11	Sergey Ward – 2nd Floor (Female Ward)
Week 12	Sergey Ward – 3rd Floor (Male Ward)
Week 13	Medical Ward (Female) Nutrition and Feeding Support
Week 14	Medical Ward (Male) Terminal and Palliative Care
Week 15	Surgical Emergency / Rotation Review

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	Carol R. Taylor, Pamela Lynn, et al. Fundamentals of Nursing, 7 th Ed, New York, Pearson Education, 2021.	No
Recommended Texts	Kozier B, Erb, G, Berman A, et al. Fundamentals of Nursing, 10 th Ed, New York, Pearson Education, 2020.	Yes

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information					
معلومات المادة الدراسية					
Module Title	AI in Health Care		Module Delivery		
Module Type	Elective		Method	h/week	Frequency
Module Code	NUR1210004		Theory	2	15
ECTS Credits	2 ECTS		Lecture	-	-
SWL (hr/sem)	50		Lab	-	-
			Tutorial	-	-
			Practical	-	-
Seminar	-	-			
Module Level	UG I	Semester of Delivery	2nd Semester		
Administering Branch	Community Health Nursing	College	NUR		
Module Leader	Haqi Ismael Mansoor	e-mail	haqi.i@uokerbala.edu.iq		
Module Leader's Acad. Title	Assistant Professor	Module Leader's Qualification	Ph.D.		
Module Tutor	Ghazwan Abdulhussein	e-mail	Ghazwan.a@uokerbala.edu.iq		
Peer Reviewer Name	Salman Hussein Faris	e-mail	Selman.hussein@uokerbala.edu.iq		
Scientific Committee Approval Date	November 1, 2025	Version Number	1.0		

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	9. Define the fundamental concepts and terminology of Artificial Intelligence (AI) and its relevance to healthcare. 10. Explain key AI techniques such as machine learning, neural networks, and natural language processing applied in healthcare. 11. Identify the various applications of AI in healthcare including diagnostics, medical imaging, health data analytics, and personalized medicine. 12. Develop skills to design, implement, and evaluate AI models using healthcare data. 13. Analyze and address ethical, legal, and privacy challenges related to AI in healthcare. 14. Apply AI tools to enhance healthcare delivery, patient diagnosis, treatment optimization, and administrative tasks. 15. Evaluate the performance, reliability, and potential biases of AI systems in clinical settings. 16. Implement AI solutions that comply with healthcare regulations and data privacy standards. 17. Communicate complex AI concepts effectively to both technical and non-technical stakeholders in healthcare environments. 18. Collaborate in interdisciplinary teams to propose innovative AI-driven solutions for healthcare challenges.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	• By the end of week 1, clearly define fundamental AI concepts and their relevance to healthcare with measurable understanding. • By week 3, analyze and preprocess real healthcare data sets using AI tools, producing detailed reports on data quality. • By week 5, design and implement a machine learning model for a healthcare problem, validating its predictive accuracy. • By week 7, evaluate ethical, legal, and privacy considerations in AI healthcare applications and propose compliant solutions. • By week 10, critically compare and assess AI model performances using clinical evaluation metrics. • By week 13, apply advanced AI methods such as deep learning and natural language processing to healthcare data. • By week 15, present a comprehensive case study demonstrating AI's impact on patient care with clear, effective communication to interdisciplinary audiences.
Indicative Contents المحتويات الإرشادية	<u>Lecture 1: Introduction to AI in Healthcare [SSWL=2 hrs]</u> • Definitions and history of AI • Overview of AI types (machine learning, deep learning, NLP) • Healthcare challenges and opportunities for AI <u>Lecture 2: Healthcare Data and Digital Representations [SSWL=2 hrs]</u> • Types of healthcare data (EHR, imaging, genomics) • Data representation and encoding • Data quality and preprocessing basics <u>Lecture 3: Mathematical Foundations for AI [SSWL=2 hrs]</u> • Linear algebra essentials • Probability and statistics principles • Optimization basics

Lecture 4: Machine Learning Techniques - Part 1 [SSWL=2 hrs]

- Supervised learning (regression, classification)
- Decision trees, support vector machines

Lecture 5: Machine Learning Techniques - Part 2 [SSWL=2 hrs]

- Unsupervised learning (clustering, dimensionality reduction)
- Reinforcement learning basics

Lecture 6: Deep Learning Fundamentals [SSWL=2 hrs]

- Neural networks architecture
- Convolutional and recurrent networks
- Training and optimization

Lecture 7: Natural Language Processing in Healthcare [SSWL=2 hrs]

- Text data processing
- Named entity recognition, classification
- Question answering systems

Lecture 8: Medical Image Analysis using AI [SSWL=2 hrs]

- Image formation and modalities
- Segmentation, registration, classification

Lecture 9: Clinical Decision Support Systems [SSWL=2 hrs]

- Predictive modeling for diagnosis
- Treatment recommendation systems

Lecture 10: AI in Genomics and Personalized Medicine [SSWL=2 hrs]

- Genomic data analysis
- AI approaches for precision medicine

Lecture 11: Healthcare Informatics and Data Integration [SSWL=2 hrs]

- Data warehousing and mining
- Interoperability standards

Lecture 12: Ethical, Legal, and Privacy Issues [SSWL=2 hrs]

- Data privacy laws (HIPAA, GDPR)
- AI ethics in healthcare
- Bias and fairness in AI models

Lecture 13: Regulatory and Safety Considerations [SSWL=2 hrs]

- FDA approval processes for AI devices
- Risk management and compliance

Lecture 14: Innovations and Future Trends in AI Healthcare [SSWL=2 hrs]

- Emerging technologies and research
- AI in remote monitoring and wearables

Lecture 15: AI Project Design and Implementation [SSWL=2 hrs]

- Designing AI healthcare solutions
- Case studies and best practices

Total hrs = $\sum$ SSWL + (Mid Exam hrs+ Final Exam hrs) =30+3=33

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies

- Interactive Lectures: Engage students actively with visual aids and real-world examples.
- Project-Based Learning: Apply AI concepts through hands-on projects related to healthcare scenarios.
- Case Studies: Analyze real AI applications to stimulate critical thinking.
- Collaborative Learning: Work in teams to solve problems and share knowledge.
- E-learning Tools and Simulations: Use digital platforms and virtual environments for practice.
- Continuous Assessment: Employ quizzes, assignments, and presentations to monitor progress.
- Ethical Discussions: Explore privacy, fairness, and legal aspects of AI use.
- Self-Directed Learning: Encourage independent research and use of AI resources.

Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ ١٥ أسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	2.20
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	1.13
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	50		

Module Evaluation																												
تقييم المادة الدراسية																												
		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome									
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10
Formative	Quizzes	2	5%			x									x				x	x	x	x	x	x	x	x	x	
	Report	1	10%								x												x			x		
	Lab Report	-	-																									
	Project	1	10%												x						x			x				
	Online Assig.	2	5%			x										x			x									
	Onsite Assig.	-	-																x									
	Seminar	-	-																									
Summative	Mid. Exam	1H	10% (10)						x									x				x			x			
	Final Exam	2H	50% (50)	Week 15															x	x	x	x	x	x	x	x	x	x
Total assessment			100%																									

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Introduction to AI in Healthcare
Week 2	Healthcare Data and Digital Representations
Week 3	Mathematical Foundations for AI
Week 4	Machine Learning Techniques - Part 1
Week 5	Machine Learning Techniques - Part 2
Week 6	Deep Learning Fundamentals
Week 7	Natural Language Processing in Healthcare
Week 8	Medical Image Analysis using AI
Week 9	Clinical Decision Support Systems
Week 10	AI in Genomics and Personalized Medicine
Week 11	Healthcare Informatics and Data Integration
Week 12	Ethical, Legal, and Privacy Issues
Week 13	Regulatory and Safety Considerations
Week 14	Innovations and Future Trends in AI Healthcare
Week 15	AI Project Design and Implementation

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	Simon, G. J., & Aliferis, C. (2024). Artificial intelligence and machine learning in health care and medical sciences: best practices and pitfalls.	Yes
Recommended Texts	Davenport, T., Glaser, J., & Gardner, E. (2022). Advanced Introduction to Artificial Intelligence in Healthcare. Edward Elgar Publishing.	Yes
Websites	- Harvard Medical School AI in Health Care Program: learn.hms.harvard.edu - Springer Nature AI Health Books: springernature.com - Coursera - AI in Healthcare Specialization: coursera.org/specializations/ai-healthcare	

Grading Scheme مخطط الدرجات				
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Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
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MODULE DESCRIPTION FORM

وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Arabic Language I	Module Delivery	
Module Type	Support	Method	h/week
Module Code	NUR1211005	Theory	2
ECTS Credits	2 ECTS	Lecture	-
SWL (hr/sem)	50	Lab	-
		Tutorial	-
		Practical	-
		Seminar	-
Module Level	UG I	Semester of Delivery	2nd Semester
Administering Branch	Basic Sciences	College	NUR
Module Leader	Jasim Mohsin Makteef	e-mail	jasim@alameed.edu.iq
Module Leader's Acad. Title	Assistant Professor	Module Leader's Qualification	Ph.D.
Module Tutor	Rami Mohammed Jawad Abdullah	e-mail	rami.alasadi@alameed.edu.iq
Peer Reviewer Name	Jasim Mohsin Makteef	e-mail	jasim@alameed.edu.iq
Scientific Committee Approval Date	November 2, 2025	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	1. ترسيخ مهارة التواصل بالعربية الفصحى في المواقف الجامعية والطبية 2. تنمية قدرة الطالب على فهم النصوص العلمية والإنسانية بلغة عربية دقيقة 3. صقل مهارة الكتابة الأكاديمية والتقرير العلمي 4. تعزيز التفكير النقدي والتحليل اللغوي والفكري للنصوص 5. ترسيخ الحس الجمالي في اللغة كأداة للمعرفة والإنسانية 1. تنمية الحس اللغوي المهني لدى الطالب ليتمكن من توظيف اللغة العربية في المواقف الطبية والتواصل الإنساني مع المرضى بلغة سليمة ومؤثرة. 7. تعزيز مهارة التفكير النقدي والتحليل اللغوي للنصوص العلمية والطبية، بما يرسخ الدقة في الفهم والتعبير 8. ترسيخ القيم الأخلاقية والإنسانية من خلال النصوص العربية التي تُبرز الرحمة والصدق والمسؤولية في مهنة الطب 9. تطوير القدرة على الكتابة العلمية بالعربية عبر تدريب الطلبة على كتابة التقارير والمقالات والملخصات الطبية بأسلوب لغوي رصين وواضح 10. إكساب الطالب كفايات التواصل المتعدد (الشفهي والكتابي) داخل بيئة العمل الأكاديمية والطبية، بما يتيح له التفاعل بفعالية مع زملائه وأساتذته ومرضاه مستقبلاً
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. أن يعرف الطالب المفاهيم اللغوية الأساسية (كالاسم والفعل والحرف، وأساسيات النحو والإملاء 2. أن يفسر الطالب الفكرة الرئيسية والمعنى الدلالي في نص عربي علمي أو إنساني بعد قراءته بدقة 3. أن يوظف الطالب القواعد اللغوية والإملائية في كتابة تقرير طبي بسيط بلغة صحيحة 4. أن يحلل الطالب نصاً طبياً أو إنسانياً من حيث الأسلوب والبنية اللغوية والمقاصد الاتصالية 5. أن يكتب فقرة علمية من إنشائه تعبر عن قيمة إنسانية في الطب بلغة فصيحة ومتراصة 1. أن يصحح الأخطاء اللغوية والإملائية في نصوص طلابية أو طبية قصيرة تابعة لزملائه 7. أن يقدم عرضاً شفهياً قصيراً حول موضوع طبي بلغة عربية فصحى واضحة أمام زملائه 8. أن ينجز تقريراً لغوياً طبياً متكاملًا يجمع بين المعرفة اللغوية والوعي الإنساني بنهاية الفصل الدراسي
Indicative Contents المحتويات الإرشادية	<u>Theory Lectures</u> 1. مقدمة عن اللغة العربية الموضوع: التعرف باللغة العربية وأهميتها للطالب الجامعي والطبي. - المحاور: نشأة اللغة العربية وتطورها. خصائص العربية من حيث الاشتقاق والإعراب والبيان. مكانة اللغة العربية في التواصل العلمي والإنساني. أهمية الفصحى في المهن الطبية والتعليم العالي. المخرج التعليمي: أن يعرف الطالب اللغة العربية ويميز خصائصها ودورها في التخصصات العلمية. 2. تفسير نص قرآني من سورة البقرة الموضوع: دراسة لغوية وبيانية في نص قرآني مختار من سورة البقرة. المحاور: التحليل اللغوي والدلالي للألفاظ القرآنية. بيان الأسلوب القرآني في عرض القيم الإنسانية والعلمية. إبراز العلاقة بين الإعجاز البياني والفكر الأخلاقي. المخرج التعليمي: أن يحلل الطالب النص القرآني من حيث المعنى اللغوي والأسلوبي والدلالي. 3. تحليل نصوص أدبية قديمة (معلقة عنترة بن شداد نموذجاً) الموضوع: دراسة نص شعري جاهلي وتحليل بنيته الفكرية واللغوية. المحاور: التعريف بعنترة بن شداد وعصره. الصور الفنية والبطولية في شعره. البناء اللغوي للمعلقة وأثرها في الأدب العربي.

المخرج التعليمي: أن يفسّر الطالب القيم الأدبية واللغوية في النصوص الجاهلية.

4. القيم الإنسانية في الشعر الجاهلي

الموضوع: البعد الإنساني والأخلاقي في الشعر الجاهلي. المحاور: مفاهيم الكرم، الشجاعة، الفداء، الصدق. انعكاس هذه القيم في شخصية العربي قبل الإسلام. ارتباط القيم بالشكل الفني القصيدة.

المخرج التعليمي: أن يستنتج الطالب القيم الأخلاقية والاجتماعية في النصوص الشعرية القديمة.

5. الإسلام والشعر العربي

الموضوع: التفاعل بين الدين الإسلامي والشعر العربي بعد البعثة. المحاور: موقف الإسلام من الشعر والشعراء. تحوّل موضوعات الشعر بعد الإسلام. الشعر كأداة للدفاع عن الدين ونشر الفضيلة. المخرج التعليمي: أن يبيّن الطالب أثر الإسلام في تهذيب اللغة والشعر العربي.

6. تحليل بائية ابن الرومي

الموضوع: قراءة تحليلية جمالية في بائية ابن الرومي. المحاور: التعريف بابن الرومي وحياته النفسية والأدبية. تحليل الصور الشعرية والبناء اللغوي في القصيدة. دراسة التناص والمعاني الإنسانية فيها.

المخرج التعليمي: أن يفسّر الطالب الجماليات الفنية والمعاني النفسية في شعر ابن الرومي.

7. الميزان الصرفي والجمع في اللغة العربية الموضوع:

دراسة بنية الكلمة العربية وتصاريفها. المحاور: مفهوم الميزان الصرفي وأوزانه الثلاثية والرابعة. أنواع الجموع (جمع المذكر السالم، المؤنث السالم، التذكير). تطبيقات صرفية من النصوص العلمية. المخرج التعليمي: أن يوظف الطالب الميزان الصرفي في تحليل الكلمات وتكوين الجموع الصحيحة.

8. أقسام الكلام

الموضوع: تصنيف الكلمة العربية إلى اسم وفعل وحرف. المحاور: خصائص كل قسم وعلاماته. الفرق بين الاسم والفعل من حيث المعنى والبنية. أمثلة تطبيقية من الحياة الجامعية والطبية. المخرج التعليمي: أن يميّز الطالب أقسام الكلام ويحدّد وظائفها في الجملة.

9. علامات الإعراب والبناء

الموضوع: التعرف بالإعراب والبناء وأنواعهما. المحاور: الضمة، الفتحة، الكسرة، السكون، الحروف الفرعية. الأسماء المبنية والأفعال المبنية. أثر الإعراب في المعنى. المخرج التعليمي: أن يحدّد الطالب مواقع الإعراب والبناء في الجمل البسيطة.

10. إسناد الفعل إلى الضمير

الموضوع: دراسة العلاقة بين الفعل والفاعل من حيث الضمان المتصلة والمنفصلة. المحاور:
إسناد الفعل الماضي والمضارع والأمر. الضمان
البارزة والمستترة.
تطبيقات من اللغة اليومية.
المخرج التعليمي: أن يسند الطالب الأفعال إلى الضمان بطريقة صحيحة لغوياً.

11. المبتدأ والخبر
الموضوع: بناء الجملة الاسمية وأحكام المبتدأ والخبر. المحاور:
أنواع المبتدأ والخبر.
التقديم والتأخير، المطابقة، وأثر المعنى. تدريبات من
نصوص عربية.
المخرج التعليمي: أن يحلل الطالب الجمل الاسمية ويستنتج العلاقة بين المبتدأ والخبر.

12. المعرفة والنكرة
الموضوع: التمييز بين المعرفة والنكرة وأقسامهما. المحاور:
أنواع المعارف: الضمير، العلم، اسم الإشارة، الاسم الموصول. دلالات التنكير
والتعريف في المعنى البلاغي.
المخرج التعليمي: أن يفرق الطالب بين أنواع المعارف والنكرات ودلالاتها في السياق.

13. النواسخ
الموضوع: دراسة كان وأخواتها وإن وأخواتها وظن وأخواتها. المحاور:
عمل النواسخ ومعانيها.
التغيير الإعرابي الناتج عن دخولها. أمثلة تطبيقية
من الجمل العلمية
المخرج التعليمي: أن يوظف الطالب النواسخ في بناء الجمل الصحيحة لغوياً.

14. الفاعل ونائبه
الموضوع: وظيفة الفاعل ونائب الفاعل في الجملة الفعلية. المحاور:
تعريف الفاعل وأشكاله.
نائب الفاعل والتحول من المبني للمعلوم إلى المجهول. تطبيقات لغوية.
المخرج التعليمي: أن يميز الطالب بين الفاعل ونائب الفاعل في التراكيب المختلفة.

15. المشتقات (اسم الفاعل واسم المفعول)
الموضوع: دراسة صيغ المشتقات ودلالاتها. المحاور:
صيغ اسم الفاعل واسم المفعول من الثلاثي وغير الثلاثي. دلالة الصيغة في
المعنى العلمي.
توظيف المشتقات في النصوص الطبية.
المخرج التعليمي: أن يستخرج الطالب المشتقات من النصوص ويستعملها في تعبيراته العلمية.

Total hrs = (33+3) =33

استراتيجيات التعلم والتعليم

Strategies

1. محاضرة تفاعلية + نقاش موجّه مقدمة عن اللغة العربية.
2. تعلّم نصي + قراءة تحليلية تفسير النص القرآني – النصوص الجاهلية
3. حل مشكلات لغوية + تمرين صرفي الميزان الصرفي – الجموع – أقسام الكلام. 4. كتابة تأملية + تعلّم تعاوني المبدأ والخبر – النواسخ – المشتقات.
5. مشروع تطبيقي + عرض شفهي تقرير لغوي طبي وتحليله.
1. تقويم ذاتي + امتحان نهائي مراجعة وتقييم شامل.

Student Workload (SWL)

الحمل الدراسي للطلاب محسوب لـ 15 أسبوعا

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	33	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	2.20
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	17	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	1.13
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	50		

Module Evaluation

تقييم المادة الدراسية

		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome											
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10		
Formative	Quizzes	2	5%			x					x																			
	Report	1	10%										x									X								
	Lab Report	-	-																											
	Project	1	10%						x														x							
	Online Assig.	2	5%										x					x												
	Onsite Assig.	-	-																											
	Seminar	-	-																											
Summative	Mid. Exam	1H	10% (10)							x										x			x							
	Final Exam	2H	50% (50)	Week 15															x				x	x						
Total assessment			100%																											

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	مقدمة عن اللغة العربية
Week 2	تفسير نص قرآني من سورة البقرة
Week 3	تحليل نصوص أدبية قديمة كمقلعة عنتر بن شداد
Week 4	القيم الإنسانية في الشعر الجاهلي
Week 5	الإسلام والشعر العربي
Week 6	تحليل بائية ابن الرومي
Week 7	الميزان الصرفي ، الجموع باللغة العربية
Week 8	اقسام الكلام
Week 9	علامات الاعراب والبناء
Week 10	اسناد الفعل للضمير
Week 11	المبتدأ والخبر
Week 12	المعرفة والتكرة
Week 13	النواسخ
Week 14	الفاعل ونائبه
Week 15	المشتقات (اسم الفاعل ، اسم المفعول)

Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	1. كتاب المفردات للراغب 2. معجم لسان العرب ابن منظور 3. معجم العين الفراهيدي 4. الجامع في الدروس العربية مصطفى الغلايبي 5. شذا العرف في فن الصرف احمد الحملاوي 1. عليوي، سعد (2015) العربية العامة للأقسام غ ي الاختصاص. بغداد: دار الكتب 7. العربية العامة للأقسام غير الاختصاص. د. نضال أحمد، د. انتصار سالم	No
Recommended Texts	1. في بنية اللغة العربية - د. تمام حسن 2. "التحليل الصرفي والنحوي في ضوء الدراسات الحديثة" - د. عبده الراجحي 3. "الدلالة الصرفية في العربية" - د. محمد حسن جبل.	No
Websites		

Grading Scheme				
مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.				

MODULE DESCRIPTION FORM

وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Computer Science I		Module Delivery	
Module Type	Support		Method	h/week
Module Code	NUR1211006		Theory	15
ECTS Credits	3 ECTS		Lecture	-
SWL (hr/sem)	75		Lab	15
			Tutorial	-
			Practical	-
			Seminar	-
Module Level	UG I	Semester of Delivery	2nd Semester	
Administering Branch	Basic Sciences	College	NUR	
Module Leader	Baqer A. Hakim	e-mail	h.bagher@alameed.edu.iq	
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Msc.	
Module Tutor	Baqer A. Hakim	e-mail	h.bagher@alameed.edu.iq	
Peer Reviewer Name	Ahmed Samit Hatem	e-mail	ahmed.samit@uokerbala.edu.iq	
Scientific Committee Approval Date	November 2, 2025	Version Number	1.0	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	- Utilize the computer for fundamental tasks. - Identify and discuss the hardware and components of computer systems. - Creating documents using a word processor, spread sheeting and creating presentation - Conducting research on the Internet. - An introduction to Artificial Intelligent (AI). - Enhancing students' overall skills. This includes fostering critical thinking and practical IT abilities. - Providing a stimulating environment for research. This will encourage students to leverage computers and IT tools for their nursing research endeavors.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	- Define a computer and list three common types (e.g., desktop, laptop, smartphone) and their primary uses. - Compare HDD and SSD storage by listing one advantage and one disadvantage for each and categorize a list of 8 common peripherals. - State the two primary functions of an Operating System (managing hardware and providing a user interface). - Produce a one-page letter that includes specific formatting requirements: two different font styles, bold and italicized text, justified alignment, and 1.5 line spacing. - Create a simple spreadsheet to enter some of rows of data accurately and Apply the SUM, AVERAGE, and MIN/MAX functions - Design and create effective presentation slides and understand the principles of good visual design for presentations. - Define the Internet, World Wide Web (WWW), and basic network concepts (e.g., ISP, IP address) and use a web browser efficiently. - Explain the concept of cloud computing and identify common cloud services (e.g., cloud storage, email).
Indicative Contents المحتويات الإرشادية	Introduction to Computer I [SSWL= 3 hrs] Concept H.W and S.W Concept of Computing Data and Information Introduction to Computer II [SSWL= 3 hrs] Component of H.W & S.W Connecting Input /Output devices Peripherals to CPU Computer components I [SSWL= 3 hrs] Computer portions Hardware Parts I/O unit Memory Types Computer components II [SSWL= 3 hrs] Basic CPU Components Computer Ports Personal Computer (Features and Types) Operating System and GUI -I [SSWL= 3 hrs] Operating System Basics of Common Operating Systems The User Interface, Using Mouse Techniques Operating System and GUI -II [SSWL= 3 hrs]

Use of Common Icons, Status Bar, and using Menu and Menu-selection,
Concept of Folders and Directories.
Opening and closing of different Windows and creating Short cuts.

Word processing, I [SSWL= 3 hrs]
Word Processing Basics.
Basic Features of Word Processors.
Opening and closing of documents.
Text creation and Manipulation.
Formatting Text and Paragraphs.
Using Templates for Document Creation.

Word processing II [SSWL= 3 hrs]
Creating and Managing Tables
Utilizing Styles and Themes
Spell Check and Grammar Tools
Using Headers and Footers.

Spread Sheetting I [SSWL= 3 hrs]
Introduction to Spreadsheet Software
Creating and Formatting Worksheets
Sorting and Filtering Data
Using Formulas and Functions.

Spread Sheetting II [SSWL= 3 hrs]
Using Formulas and Functions
Using Pivot Tables for Data Analysis
Data Validation and Error Checking
Data Visualization: Creating Charts and Graphs.

Presentation Software I [SSWL= 3 hrs]
Introduction to Presentation Software
Overview of Popular Presentation Tools
Creating a New Presentation
Using Templates and Themes
Inserting and Formatting Text and Images
Transition and Animation Effects.

Introduction to Internet and Web Browsers I [SSWL= 3 hrs]
Computer networks Basic
LAN, WAN
Concept of Internet and its Applications
Connecting to internet.

Introduction to Internet and Web Browsers II [SSWL= 3 hrs]
World Wide Web
Web Browsing software's
Search Engines
Understanding URL
Domain name
IP Address

Introduction to Cloud Computing and Services [SSWL= 3 hrs]
Definition of Cloud Computing and its concept
Cloud-Based Office Suites (Office 365 and Google Workspace)
Google Docs, Google Sheets, Google Drive and Google Meet

Total hrs = $\sum \text{SSWL} + (\text{Mid Exam hrs} + \text{Final Exam hrs}) = 45 + 3 = 48$

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	Problem Based Learning Learning by Doing Project Based Learning
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Student Workload (SWL)

الحمل الدراسي للطالب محسوب لـ ١٥ أسبوعاً

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	48	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	3.20
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	27	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	1.80
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	75		

Module Evaluation

تقييم المادة الدراسية

		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome									
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10
Formative	Quizzes	2	5%				X						X						X									
	Report	1	5%								X																	
	Lab Report	1	5%					X														X	X					
	Project	1	5%									X																
	Online Assig.	1	5%												X													
	Onsite Assig.	1	10%														X					X						
	Seminar	-	-																									
Summative	Mid. Exam	1H	10% (10)							X									X									
	Final Exam	2H	50% (50)	Week 15															X			X	X					
Total assessment			100%																									

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction to Computer I
Week 2	Introduction to Computer II
Week 3	Computer components I
Week 4	Computer components II
Week 5	Operating System and GUI -I
Week 6	Operating System and GUI -II
Week 7	Word processing, I
Week 8	Word processing II
Week 9	Spread Sheeting I
Week 10	Spread Sheeting II
Week 11	Presentation Software I
Week 12	Presentation Software II
Week 13	Introduction to Internet and Web Browsers I
Week 14	Introduction to Internet and Web Browsers II
Week 15	Introduction to Cloud Computing and Services

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Introduction to Computer
Week 2	Introduction to Computer II
Week 3	Computer components I
Week 4	Computer components II
Week 5	Operating System and GUI -I
Week 6	Operating System and GUI -II
Week 7	Word processing, I
Week 8	Word processing II
Week 9	Spread Sheeting I
Week 10	Spread Sheeting II
Week 11	Presentation Software I
Week 12	Presentation Software II

Week 13	Introduction to Internet and Web Browsers I
Week 14	Introduction to Internet and Web Browsers II
Week 15	Introduction to Cloud Computing and Services

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	• Brown, G., & Watson, D. "IGCSE information and communication technology". Hodder Murray.2010 • Glenn Brookshear, Dennis Brylow "Computer Science: An Overview" Pearson 2018 • Michael Schneider, Judith Gersting "Invitation to Computer Science" Cengage Learning 2018 • Joan Lambert "Microsoft Office 2019 Step by Step" Microsoft Press • Paul McFedries "Teach Yourself VISUALLY Microsoft Office 2019"	No
Recommended Texts	Alan Evans • Kendall Martin • Mary Anne Poatsy," Technology In Action, Complete", 16th Edition,2020.	No

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
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Fail Group	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded

(0 – 49)	F – Fail	راسب	(0-44)	Considerable amount of work required

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