Republic of Iraq
Ministry of Higher Education and Scientific Research
Scientific Supervision and Evaluation Authority
Department of Quality Assurance and Academic Accreditation

Academic Program Description
Al-Ameed University
College of Health and Medical Technologies
Department of Cosmetic and Laser Techniques

Bachelor's Program in Cosmetic and Laser Techniques

Academic Year: 2026

Revised by

Scientific Committee in University of Al-Ameed – College of Health and Medical Technologies

University of Al-Ameed – College of Health and Medical Technologies © 2025
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First: Program Information:

University: University of Al-Ameed

College: College of Health and Medical Technologies

Department: Department of Cosmetic and Laser Techniques

Name of Academic Program: Bachelor's Program in Cosmetic and Laser Techniques

Name of Final Degree: Bachelor's Program in Cosmetic and Laser Techniques

Study System: Semester System

Date of Preparation of Description: 04/12/2025

Date of Filling the File: 04/12/2025

Signature:

Prof. Dr. Jawdat Nouri Al-Jashaami

Dean of the College

of Health and Medical Technologies

Signature:

Assist. Prof. Dr. Lamya Abd Alkarem Darwish

Vice President for Scientific Affairs

File Reviewed by:

Prof. Dr. Diaa K. Abd Ali

Date: 4/12/2025

Signature:

Approval of the University President

Prof. Dr. Jawdat Nouri Al-Jashaami

1. Program Vision

The Cosmetic and Laser Techniques Program aims to be a leading academic and professional program in Iraq in preparing scientifically and practically qualified technical personnel to provide safe, ethical, evidence-based cosmetic, skin-care, and laser technology services, with strong competence in patient/client communication, safety, documentation, and responsible use of modern digital technologies.

2. Program Mission

To prepare graduates with a strong foundation in medical, health, dermatological, physics, and chemistry sciences, together with practical competence in cosmetic techniques, skin, hair, and nail care, and light and laser applications, while adhering to patient and staff safety, professional ethics and legislation, documentation, communication, teamwork, scientific research, community service, and continuous learning

3. Program Objectives

1. Build integrated knowledge in anatomy, physiology, medical terminology, biology, chemistry, medical physics, laser science, pathology, dermatology, and relevant behavioural and psychosocial aspects of skin and cosmetic care.
2. Equip students with skills for the safe handling of laser and light devices and technologies according to their intended use, approved safety standards, and professionally permitted training.
3. Develop the ability to assess the condition of the skin, hair, and nails, identify cosmetic needs, recognise abnormal findings, and refer cases requiring specialist medical assessment.
4. Develop skills in selecting and performing appropriate skin-care procedures and using cosmetic products and natural materials in a scientific and safe manner.
5. Develop skills in risk prevention, sanitation and hygiene, infection control, first aid, and response to complications and emergencies within the scope of practice.
6. Reinforce professional ethics, legislation, patient/client rights, confidentiality, informed consent, professional boundaries, and safe practice.
7. Link theoretical learning with structured practical and field training in dermatology clinics, cosmetic centres, laboratories, factories, and warehouses as appropriate.
8. Develop scientific research skills, evidence appraisal, evaluation of modern products and technologies, and evidence-informed professional decision-making.
9. Develop effective communication with patients/clients and families, including communication with distressed or angry clients, complaint management, basic de-escalation, and explanation of procedures, risks, aftercare, and expected outcomes.
10. Prepare graduates to work in appropriate health and cosmetic settings, contribute to service quality and community safety, and collaborate appropriately with other health professionals.
11. Support lifelong learning and responsible use of digital resources and artificial intelligence for education, evidence retrieval, documentation, and professional development within authorised scope.

4. Program Accreditation

Program accreditation procedures shall be completed in accordance with the requirements of the Ministry of Higher Education and Scientific Research, the Department of Quality Assurance and Academic Accreditation, and the National Council for Accreditation of Health and Medical Technology Colleges and Institutes Programs. The accreditation status shall be officially updated by the competent authority.

5. External influences

External influences and stakeholders include the Ministry of Higher Education and Scientific Research, the Ministry of Health and health institutions, dermatology clinics, licensed cosmetic centers, cosmetic product factories and warehouses, employers, graduates, students, academic staff, the community and patients/clients, and local and global scientific and technological developments. Feedback from these stakeholders is used in reviewing the program and its learning outcomes.

6. Program's Structure

The program follows a semester system over four years. The following tables present the courses included in the attached curriculum vocabulary file, while maintaining the course type, language of instruction, hours, and units as stated in the source.

Year	Units	Units Calculated from Course Rows	Hours	Calculated Hours	First Year
30	30	38	38	Second Year	39
39	51	51	Third Year	30	30
38	38	Fourth Year	35	32	42
46	Total	134	131	169	173
	131	173	80	93	

وزارة التعليم العالي والبحث العلمي

جامعة العميد / كلية التقنيات الصحية والطبية

هيكلية المنهاج الدراسي للدراسات الأولية للطلبة المقبولين فلي العام الدراسي 2026/2025

7. Program's Description:

	Semester-1						Semester-2					
stage	Course	Subject	T	L	C	Credit Hours	Course NO.	Subject	T	C	L	Credit Hours
First	CLT 111201	Anatomy and Histology	0	0	0	0	CLT 121201	Laser Physics				
	CLT 111202	Physiology					CLT 121212	Organic Chemistry				
	HMT 111201	General Chemistry					HMT 121202	Human Biology				
	UOA 113	Computer Science					HMT 121203	Medical Physics				
	UOA 111	Arabic Language					UOA 114	Human Rights and Democracy				
	CLT 111103	Medical Terminology[					CLT 121113	Medical Terminology[[				
	Total						Total					

	Semester-1						Semester-2					
stage	Course	Subject	T	L	C	Credit Hours	Course NO.	Subject	T	C	L	Credit Hours
Second		Microbiology	0	0	0	0		Skin Care Pharmacology				
		Pharmacology						Disorders of Skin, Hair and Nails				
		Pathology I						Pathology II				
		Skin and Hair Biology						Laser Physics and Medical Applications				
		Baath Party Crimes						First Aid				
		Arabic Language						Nutrition II				
		Nutrition I						Computer Science				
	Total						Total					

	Semester-1						Semester-2					
stage	Course	Subject	T	L	C	Credit Ho	Course NO.	Subject	T	C	L	Credit Hou
Third		Medical Skin Care Products	0	0	0	0		Dermatology				
		Medical Hair and Nail Care Products						Skin Care and its Regulation Methods				
		Medical Oral and Dental Care Products						Perfume and Essential Oils Products				
		Botanical and Natural Materials in Cosmetics						Cosmetic Industry and Good Manufacturing Practices				
		Safety and Efficacy						Cosmetic				
		Professional Ethics						Center Management				
	Total						Total					

	Semester-1						Semester-2					
stage	Course	Subject	T	L	C	Credit H	Course NO.	Subject	T	C	L	Credit Hours
Fourth		Skin Toxicology	0	0	0	0		Marketing and Research				
		Modern Techniques in Cosmetic Dermatology						Methods for Cosmetic Products				
		Modern Techniques in Cosmetics						Principles of Facial and Hand Massage				
		Case Studies in Skin, Hair and Nail Problems						Cosmetic Profession Ethics and Legislation				
		Phototherapy and Laser for Dermatological Diseases						Complementary and Alternative Medicine				
		Field Training - Dermatology Clinics						Field Training - Cosmetic Factories and Warehouses				
	Total						Total					

8. Expected Learning Outcomes	
Cognitive Aspect:	
First	**Learning Outcomes**
Knowledge and Understanding	1.Explain the basic principles of anatomy, physiology, medical terminology, biology, chemistry, and medical physics relevant to cosmetics and laser technologies. 2. Explain the fundamentals of laser and light physics, their medical and cosmetic applications, and the associated safety principles. 3. Describe the biology of the skin, hair, and nails and the skin disorders relevant to cosmetic practice. 4. Explain the principles of pathology, dermatology, toxicology, and nutrition and their relationship to skin, hair, and nail health. 5. Distinguish the properties of cosmetic products and materials, botanical and natural materials, and the principles of Good Manufacturing Practices. Demonstrate understanding of first aid, sanitation and hygiene, infection prevention and control, laser safety, workplace safety, and risk prevention. 7. Understand the principles of cosmetic center management, marketing, scientific research, and professional development.
Practical Aspect:	
Second	**Learning Outcomes**
Professional and Practical Skills	1. Conduct a structured initial assessment of the skin, hair, and nails within the scope of professional practice and collect relevant information. 2. Select and use skin-care procedures and cosmetic products according to the client's characteristics, needs, and health status. 3. Use laser and light devices and technologies within the scope of training and professional authorization and in accordance with safety instructions. 4. Apply measures to protect patients and staff from hazards associated with laser, light, heat, and chemical substances.

	5. Perform cosmetic care procedures in an organized manner while maintaining infection control and professional hygiene. 6. Recognize abnormal signs, adverse effects, and early complications; stop a procedure when necessary; and implement an appropriate response within the scope of practice. 7. Accurately and confidentially document client data, procedures, materials, devices, responses, and follow-up. Communicate professionally and empathetically with patients/clients and families, explain procedures, risks, aftercare, informed consent, and expected outcomes, and adapt communication to distressed or angry clients. Work within a multidisciplinary team and share necessary information with physicians or other team members when referral or escalation is required. Use scientific sources, databases, digital tools, and appropriate artificial intelligence applications for learning, research, documentation, and professional decision-making while protecting confidentiality
Value aspect	
Third	**Learning Outcomes**
Professional Values and Ethics	Commit to patient/client and staff safety, sanitation and hygiene, and respect for rights, confidentiality, dignity, and informed consent 2. Practice the profession in accordance with professional ethics, legislation, and regulations in force in Iraq. 3. Exercise responsible professional judgment and reject unsafe procedures or procedures outside the scope of professional competence. 4. Treat clients fairly and respectfully despite differences in their needs and maintain professional conduct. 5. Maintain truthful documentation and avoid misleading clients regarding the outcomes of procedures or products. 6. Engage in continuous learning, evaluate personal performance, and respond to feedback.

9. Teaching and Learning Strategies

1. Short interactive lectures linking concepts to professional scenarios and patient/client communication.

2. Case-based learning and case studies of skin, hair, and nail problems, including difficult communication situations.

3. Problem-based learning and applied tasks.

4. Guided practical training on devices, technologies, and core skills.

5. Simulation, checklists, practical skills stations, communication scenarios, and de-escalation exercises when appropriate skills-laboratory resources are available.

6. Live practical demonstrations and explanation of procedural steps before application.

7. E-learning, digital information resources, and scientific databases.

8. Self-directed learning, guided reading, discussion of recent evidence, and responsible use of digital and AI-supported resources.

9. Field training in dermatology clinics and cosmetic factories and warehouses.

10. Group discussions, role play, patient/client counselling, feedback, and communication practice.

11. Projects, scientific research, and the graduation project.

10. Evaluation Methods

1. Short Exams (Quiz)
2. Homework
3. Midterm and Final Exams for Theoretical and Practical Subjects
4. Small Projects within the Lesson
5. Interaction within the Lecture
6. Reports
7. Practical Evaluation

11. Faculty Staff

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

12. 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.

13. 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.

14. The most important sources of information about the program

1. The official website of the college (College of **Health and Medical Technologies**) (https://alameed.edu.iq/كلية التقنيات الطبية و الصحية)
2. The College of of Health and Medical Technologies.

15. 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.

16. Curriculum Skills Plan

Required Learning Outcomes										Curriculum Details			
Value Goals			Practical Goals				Cognitive Goals						
G3 L.O.3	G3 L.O.2	G3 L.O.1	G2 L.O.4	G2 L.O.3	G2 L.O.2	G2 L.O.1	G1 L.O.3	G1 L.O.2	G1 L.O.1	Essential or Elective	Name of Course	Code of Course	Level
×	×	×	×	×	×	×	×	×	×	**Essential**	Anatomy and Histology	**NUR201**	**First stage**
							×	×	×	**Essential**	Physiology	**PHR202**	
×	×	×	×	×	×	×	×	×	×	**Essential**	General Chemistry	**HAS203**	
			×	×	×	×	×	×	×	**Essential**	Computer Science[	**MBN204**	
			×	×	×	×	×	×	×	**Essential**	Arabic Language[	**C0S205**	
							×	×	×	**Essential**	Medical Terminology[	**CDB206**	
×	×	×	×	×	×	×	×	×	×	**Essential**	Laser Physics	CLT **121201**	
			×	×	×	×	×	×	×	**Essential**	Organic Chemistry	CLT **121212**	
			×	×	×	×	×	×	×	**Essential**	Human Biology	HMT **121202**	
							×	×	×	**Essential**	Medical Physics	HMT **121203**	
			×	×	×	×	×	×	×	**Essential**	Human Rights and Democracy	UOA **114**	
						×	×	×	×	**Essential**	Medical Terminology[[	CLT **121113**	

Second: Course Description

1. Course Name	
Anatomy and Histology	
2. Course Code	
CLT **111201**	
3. Semester/Year	
first Stage/First Semester	
4. Date of Preparation of this Description	
2026/8/23	
5. Available Attendance Forms	
Student attendance in classrooms	
6. Total Number of Hours and Units	
4 Theoretical + 4 Clinical (8 Hours), Number of Credits (8)	
7. Name of Course Supervisor	
Name	E-Mail
Dr. Ahmed Ali	ahmed.ak@alameed.edu.iq
8. Course Objectives	
Objective: To provide students with a comprehensive understanding of human anatomical structures and their functional relationships, preparing them for clinical and laboratory applications.	
9. Teaching and learning strategies	
• Interactive lectures • Laboratory demonstrations with anatomical models • Group discussions and tutorials • Student presentations • Online resources and blended learning	

10. Course Structure					
Evaluation Methods	**Teaching and Learning Methods**	**Subject Title**	**Required Learning Outcomes**	**Hours**	**Week**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Introduction to Anatomy – Terminology & Directions**	students will identify anatomical terminology and directional planes.	**4T + 12 C**	**1**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**four basic tissues (structure, site, and function).**	, four basic tissues (structure, site, and function).	**4T + 12 C**	**2**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Digestive System – Structure & Functions**	students will describe the structure and function of the digestive system.	**4T + 12 C**	**3**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Digestive System – Structure & Functions**	students will explain the anatomy of the cardiovascular system	**4T + 12 C**	**4**
Mid-term exam. No 1					
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Cardiovascular System – Heart & Vessels**	Understand the basic concepts of gastro-intestinal diseases and how to care for and educate patients.	**4T + 12 C**	**5**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Respiratory System – Lungs & Airway**	Understand the basic concepts of liver and biliary diseases and how	**4T + 12 C**	**6**

			to care for and educate patients.		
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Nervous System – Brain & Spinal Cord**	students will explain the anatomy of the cardiovascular system	**4T + 12 C**	**7**
Daily exams, Questions within the lecture, &Practical evaluation.	- **Theoretical and practical**	**Musculoskeletal System – Bones & Muscles**	students will analyze the central and peripheral nervous systems	**4T + 12 C**	**8**
Mid-term exam. No 2					**9**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Lymphatic system, structure & functions**	students will describe the structure and function of the Lymphatic system	**4T + 12 C**	**10**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Endocrine System, .structure and function**	students will describe the structure and function of the Endocrine System	**4T + 12 C**	**12**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Integumentary System, structure and function.**	students will describe the structure and function of the Integumentary System	**4T + 12 C**	**13**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Reproductive system, structure and function.**	students will describe the structure and function of the Reproductive system	**4T + 12 C**	**14**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical and practical**	**Urinary system, structure and function.**	students will describe the structure and function of the Urinary system	**4T + 12 C**	**15**

Daily exams, Questions within the lecture, &Practical evaluation.	**, students will integrate anatomical knowledge with physiological functions**	**Clinical Applications of Anatomy**	students will integrate anatomical knowledge with physiological functions..		
Daily exams, Questions within the lecture, &Practical evaluation.	**students will apply anatomical knowledge to clinical procedures such as injection sites**	**Clinical Applications of Anatomy**	students will apply anatomical knowledge to clinical procedures such as injection sites		

11. Course Evaluation

Evaluation				**Score Standards**
Formative		**Summative**		
Scores	Evaluation methods	Scores	Evaluation methods	- Excellent (90-100_ - Very Good (80-less than 90) - Good (70-less than 80) - Fair (60-less than 70) - Acceptable (50-less than 60) - Fail (less than 50)
%1	Daily Exams	%10	First Mid-term theoretical exam	
%1	Seminars	%10	Second Mid-term theoretical exam	
%1	Reports	%15	Mid-term practical evaluation	
%1	Participation	%20	Final practical exam	
%1	Volunteer Work	%40	Final theoretical exam	
%5		%95		)%100(total

12. Learning Resources

- Tortora, G.J. & Derrickson, B. Principles of Anatomy and Physiology. 15th Edition. Wiley, 2017
- Greys anatomy
- more, K.L. Clinically Oriented Anatomy. 8th Edition. Wolters Kluwer, 2018.
- https://www.anatomy.tv/

1. Course Name	
Physiology	
2. Course Code	
EMT1112002	
3. Semester/Year	
First Stage/First Semester	
4. Date of Preparation of this Description	
2025/9/28	
5. Available Attendance Forms	
Personal Education (In-Person)	
6. Total Number of Hours and Units	
4 hours (2 hrs. Theoretical and 2 hrs. Practical, Lab./week) / 3 Units	
7. Name of Course Supervisor	
Name	E-Mail
Assist. Prof. Dr. Hussein A. Al-Ghanimi Assist. Lecturer Bashaaer Ali Saqab	hughanimi@alameed.edu.iq bashaaer.a@uokerbala.edu.iq

8. Course Objectives

1. Understand the basic principles of human physiology and homeostasis.
2. Recognize the structures and functions of cells, tissues, organs, and major body systems.
3. Explain normal physiological mechanisms and the relationships between body structure and function.
4. Apply physiological knowledge to basic clinical and practical situations
5. Perform and interpret basic physiological and diagnostic laboratory tests.
6. Develop appropriate laboratory, communication, teamwork, and problem-solving skills
7. Demonstrate ethical, professional, safe, and responsible practices during theoretical and practical

9. Teaching and learning strategies

Interactive and student-centered lectures.
- Problem-based and case-based learning
- Demonstration and supervised laboratory practice.
- Hands-on physiological and diagnostic skills training.
- Small-group and team-based learning.
- Microscopy and laboratory-based learning.
- Physiological data interpretation and problem solving.
- Formative assessment (Quizzes, Assignments, Reports, …etc) with continuous feedback
- Self-directed and reflective learning.
- Integration of ethical principles into all practical activities.

10. Course Structure					
Evaluation Methods	**Teaching and Learning Methods**	**Subject Title**	**Required Learning Outcomes**	**Hours**	**Week**
Daily exams, Questions within the lecture	**- Lectures.** **- Scenarios and seminars.**	**Introduction of Human physiology**	Learn about the general terms in pharmacology and what is the different between them.	**4**	**1**
Daily exams, Questions within the lecture,.	**- Lectures.** **- Scenarios and seminars.**	**Cell Structure and Function**	Learn about the basic concepts of drug kinetic and how body deal with the drugs	**4**	**2**
Daily exams, Questions within the lecture,	**- Lectures.** **- Scenarios and seminars.** **- Clinical training**	**Fluids and Electrolytes**	Learn about the basic concepts of drug kinetic and how drug affects the body	**4**	**3**
Daily exams, Questions within the lecture,	**- Lectures.** **- Scenarios and seminars**	**Cardiovascular System part 1**	Learn about the basic concepts of ANS and cholinergic drugs.	**4**	**4**
Daily exams, Questions within the lecture,	**- Lectures.** **- Scenarios and seminars**	**Cardiovascular System part 2**	Learn about the basic concepts of ANS and adrenergic drugs.	**4**	**5**
Mid-term exam. No 1					**6**
Daily exams, Questions within the lecture	**- Lectures.** **- Scenarios and seminars.** -	**Cardiovascular System part 3**	Understand the basic concepts of CVS physiology and drugs affect this system.	**4**	**7**
Daily exams, Questions within the lecture,.	**- Lectures.** **- Scenarios and seminars.** -	**Cardiovascular System part 4**	Understand the basic concepts of CVS physiology and drugs affect this system.	**4**	**8**
Daily exams, Questions within the lecture,	**- Lectures.** **- Scenarios and seminars.**	**Cardiovascular System part 5**	Understand the basic concepts anemia and which is the best therapy	**4**	**9**

Daily exams, Questions within the lecture,	**- Lectures. - Scenarios and seminars**	**Cardiovascular System part 6**	Understand the basic concepts of pediatrics and how to calculate the pediatric drug doses.	**4**	**10**
Mid-term exam. No 2					**11**
Daily exams, Questions within the lecture	**- Lectures. - Scenarios and seminars.**	**Cardiovascular System part 7**	Understand the basic concepts of geriatrics and how to deal with them.	**4**	**12**
Daily exams, Questions within the lecture,.	**- Lectures. - Scenarios and seminars. -**	**Respiratory system Part 1**	Understand the basic concepts of gynecology disease and treatments.	**4**	**13**
Daily exams, Questions within the lecture,	**- Lectures. - Scenarios and seminars.**	**Respiratory system Part 2**	Understand the basic concepts of gynecology disease and treatments.	**4**	**14**
Daily exams, Questions within the lecture,	**- Lectures. - Scenarios and seminars.**	**Respiratory system Part 3**	Understand the basic concepts of gynecology disease and treatments.	**4**	**15**
Daily exams, Questions within the lecture,	**- Lectures. - Scenarios and seminars.**	**Respiratory system Part 4**	Understand the basic concepts of gynecology disease and treatments.	**4**	**16**
Daily exams, Questions within the lecture,	**- Lectures. - Scenarios and seminars.**	**Digestive System part 1**	Understand the basic concepts of gynecology disease and treatments.	**4**	**17**

11. Course Evaluation

Evaluation				**Score Standards**
Formative		**Summative**		
Scores	Evaluation methods	Scores	Evaluation methods	- Excellent (90-100_ - Very Good (80-less than 90) - Good (70-less than 80) - Fair (60-less than 70)
%2	Daily Exams	%10	First Mid-term theoretical exam	
%2	Seminars	%10	Second Mid-term theoretical exam	
%2	Reports			

%2	Participation	%70	Final theoretical exam	- Acceptable (50-less than 60) - Fail (less than 50)
%2	Volunteer Work			
%10		%90		)%100(total

12. Learning Resources

- Marieb, Elaine N. and Smith, Lori A. Human Anatomy & Physiology Laboratory Manual. 12th Edition. Pearson Education Limited, United Kingdom, 2023.
- • Widmaier, E. P., Raff, H., and Stang, K. T. Vander's Human Physiology: The Mechanisms of Human Body. 15th Edition, Mac Graw Hill Education, USA, 2019.
- • Chandrasekar, M. and Mishra, N. Practical Physiology Book. 2nd Edition, Jaypee Brothers Medical Publishers (P) Ltd, India, 2014.

https://www.pearson.com/en-gb/subject-catalog/p/human-anatomy--physiology-laboratory-manual-main-version-global-edition/P200000007224/9781292742595?srsltid=AfmBOoquLM9X1d_wkGC8HGs9cWfvAzLhjySov8YGZbPLBBubSR4NUdhI

https://www.mheducation.co.uk/vander-s-human-physiology-ise-9781265131814-emea-group
https://www.jaypeedigital.com/book/9789350907412

1. Course Name	
General Chemistry	
2. Course Code	
HMT 111201	
3. Semester/Year	
first year/ First semester	
4. Date of Preparation of this Description	
31/8/2026	
5. Available Attendance Forms	
Personal Education (In-Person)	
6. Total Number of Hours and Units	
2 Theoretical + 2 Clinical (4 Hours Per Week), Number of Credits (3)	
7. Name of Course Supervisor	
Name	E-Mail
Zainab Ali Zainab Adil	zainab.ali.hadi@alameed.edu.iq zainabadil792@gmail.com

8. Course Objectives

Equipping students with fundamental concepts of biochemistry, including the structural characteristics of biomolecules (carbohydrates, proteins, lipids, enzymes, vitamins, and nucleic acids), their chemical reaction mechanisms, and qualitative identification assays.

• Developing practical laboratory proficiency in reagent preparation, executing qualitative distinction and precipitation tests with high precision, and analyzing unknown biochemical samples (Unknown Identification).

• Establishing rigorous laboratory safety practices for handling hazardous reagents and concentrated acids, while enhancing scientific analytical thinking and collaborative teamwork skills within the chemical laboratory environment.

9. Teaching and learning strategies

1. Interactive Lectures
2. Problem-Based Learning (PBL)
3. Case-Based Learning
4. Small-Group Discussion
5. Practical Laboratory Sessions
6. Student Presentations and Seminars
7. Formative Assessment and Active Recall

10. Course Structure					
Evaluation Methods	**Teaching and Learning Methods**	**Subject Title**	**Required Learning Outcomes**	**Hours**	**Week**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Fundamentals of Analytical Chemistry I(Theory lecture) Introduction of Basic Lab Equipment and General Laboratory Safety Rules. (practice lecture)**	Learn the basic concepts, steps and how to apply a health assessment	**2T + 2 L**	**1**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Methods of Expression of Concentration I (Theory lecture) Preparation and standardization of 0.1M Hydrochloric Acid HCl solution. (practice lecture)**	Learn the basic concepts, steps and how to apply a health assessment of the skin, hair and nails	**2T + 2 L**	**2**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Methods of Expression of Concentration II (Theory lecture) Preparation and Standardization of Approximately 0.1N Sodium Hydroxide NaOH (practice lecture)**	Learn the basic concepts, steps and how to apply a health assessment of the head and neck	**2T + 2 L**	**3**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Titration and its Types (Theory lecture) Estimation of Sodium Hydroxide and Sodiu Carbonate in a Mixture) (practice lecture)**	Learn the basic concepts, steps and how to apply a health assessment of the respiratory system	**2T + 2 L**	**4**
Mid-term exam. No 1					**5**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**- Acid-Base Titration I Theory lecture) Quantitative Analysis of Oxidation-Reduction (Redox) Reactions (practice lecture)**	Understand the basic concepts, steps and how to apply a cardiovascular health assessment	**2T + 2 L**	**6**

Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**- Acid-Base Titration II Theory lecture) Estimation of Ferrous Iron Using Potassium Dichromate(practice lecture)**	Understand the basic concepts, steps and how to apply a cardiovascular health assessment	**2T + 2 L**	**7**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Midterm Theory Exam**	Understand the basic concepts, steps and how to apply a peripheral health assessment.	**2T + 2 L**	**8**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Redox Titration (Theory lecture) Precipitation Titration (Determination of Chloride Ions by Mohr's Method). (practice lecture**	Understand the basic concepts, steps and how to apply an abdominal health assessment	**2T + 2 L**	**9**
Mid-term exam. No 2					**10**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Precipitate Titration I (Theory lecture) Determination of Chloride in Drinking Water by Mohr's Method (practice lecture)**	Learn the basic concepts, steps and how to apply a health assessment of the nervous system	**2T + 2 L**	**11**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Precipitate Titration II (Theory lecture) Determination of Total Hardness of Water Using EDTA (practice lecture)**	Learn the basic concepts, steps and how to apply a health assessment of the nervous system	**2T + 2 L**	**12**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Complexometric Titration (Theory lecture) Spectrophotometric Determination of Potassium Permanganate Concentration Using the Beer–Lambert Law. (practice lecture)**	Learn the basic concepts, steps and how to apply a health assessment of the locomotor system	**2T + 2 L**	**13**

Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Spectrophotometric Analysis & Beer-Lambert Law I (Theory lecture) Determination of the Maximum Wavelength (λmax) of Potassium Permanganate ($KMnO_4$) Solution (practice lecture**	Learn the basic concepts, steps and how to apply a health assessment of the reproductive system	**2T + 2 L**	**14**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Spectrophotometric Analysis & Beer-Lambert Law II (Theory lecture) Preparation and pH Measurement of Buffer Solutions (practice lectur**	Learn about laboratory tests, their normal rates and the reasons for their increase or decrease.	**2T + 2 L**	**15**
		Comprehensive Revision (Theory lecture) Determination of pH by Acid–Base Indicators (practice lecture)			
15- Final Theory Exam					

11. Course Evaluation

Evaluation				**Score Standards**
Formative		**Summative**		
Scores	Evaluation methods	Scores	Evaluation methods	- Excellent (90-100_ - Very Good (80-less than 90) - Good (70-less than 80) - Fair (60-less than 70) - Acceptable (50-less than 60) - Fail (less than 50)
%1	Daily Exams	%10	First Mid-term theoretical exam	
%1	Seminars	%10	Second Mid-term theoretical exam	
%1	Reports	%15	Mid-term practical evaluation	
%1	Participation	%20	Final practical exam	
%1	Volunteer Work	%40	Final theoretical exam	
%5		%95		)%100 (total

12. Learning Resources

Skoog, D.A. Fundamentals of Analytical Chemistry. 9th Ed. Cengage Learning, 2014
Skoog, D.A. Fundamentals of Analytical Chemistry. 9th Ed. Cengage Learning,
Christian, G.D. Analytical Chemistry. 7th Ed. Wiley, 2013
http://www.chemguide.co.uk/

1. Course Name	
Computer I	
2. Course Code	
UOA113	
3. Semester/Year	
First Stage/First Semester	
4. Date of Preparation of this Description	
23 / 08 / 2026	
5. Available Attendance Forms	
Personal Education (In-Person)	
6. Total Number of Hours and Units	
60/45	
7. Name of Course Supervisor	
Name	E-Mail
Dr. Wisam Kareem Meteab	wisammeteab@alameed.edu.iq
8. Course Objectives	
• Focuses on fundamental computing abilities for first-year students. • Emphasizes effective and secure technology use in educational and medical settings. • Covers computer hardware and software. • Includes topics on operating systems and file management. • Provides instruction on Microsoft Office applications. • Discusses internet and networking concepts. • Introduces fundamenta	
9. Teaching and learning strategies	
Participatory lectures, practical explanations, laboratory practices, individual and team exercises	

10. Course Structure

Evaluation Methods	Teaching and Learning Methods	Subject Title	Required Learning Outcomes	Hours	Week
Daily exams, Questions within the lecture, & Laboratory evaluation.	**Lecture + Practical Lab + Exercises and Application.**	**Computer basics, operating system, file management, Word, Excel, PowerPoint, Internet, Computer Troubleshooting**	- Understanding basic computer concepts, operating systems, file organization, composing documents, making tables and presentations, resolving software and hardware difficulties, and electronic communication.	**60**	**15**

11. Course Evaluation

Evaluation				**Score Standards**
Formative		**Summative**		
Scores	Evaluation methods	Scores	Evaluation methods	- Excellent (90-100_ - Very Good (80-less than 90) - Good (70-less than 80) - Fair (60-less than 70) - Acceptable (50-less than 60) - Fail (less than 50)
%1	Daily Exams	%10	First Mid-term theoretical exam	
%1	Seminars	%10	Second Mid-term theoretical exam	
%1	Reports	%15	Mid-term practical evaluation	
%1	Participation	%20	Final practical exam	
%1	Volunteer Work	%40	Final theoretical exam	
%5		%95		)%100(total

12. Learning Resources

1. Graham Brown, David Watson, "Cambridge IGCSE Information and Communication Technology", 3rd Edition (2020)
2. Alan Evans, Kendall Martin, Mary Anne Poatsy, 'Technology In Action Complete", 1 6th Edition (2020)

1. Course Name	
Medical Terminology]	
2. Course Code	
CLT **111103**	
3. Semester/Year	
Second/2026	
4. Date of Preparation of this Description	
24/8/2026	
5. Available Attendance Forms	
Personal Education (In-Person)	
6. Total Number of Hours and Units	
15 hours/15 Units	
7. Name of Course Supervisor	
Name	E-Mail
Prof. Dr. Abdul-Hameed Khalid Khadhair	abdul-hameed@alameed.edu.iq
8. Course Objectives	
• Teaching students the basic component of the medical term. • Learning the Importance of the medical term in fields of medicines and health sciences. • At the end of this semester the student should understand the importance of the medical terms in the practical health sciences..	
9. Teaching and learning strategies	
- Theoretical lecture using power points presentation - Using video and picture description of the anatomical organs and medical terms. - Students participation and discussion in the lecture understanding. - Extracting the conclusions after each discussion.	

10. Course Structure					
Evaluation Methods	**Teaching and Learning Methods**	**Required Learning Outcomes**	**Subject Title**	**Hours**	**Week**
Daily exams &Practical evaluation.	**Practical training.**	**Introduction on the medical term, Latin and English names Medical Terminology**	• Medical Terminology	**2 L**	**1**
Daily exams &Practical evaluation.	**Practical training.**	**Medical term components: importance and applications of medical terms**	• Medical Terminology	**2 L**	**2**
Daily exams &Practical evaluation.	**Practical training.**	**Medical term components: word root**	• Medical Terminology	**2 L**	**3**
Daily exams &Practical evaluation.	**Practical training.**	**Medical term components: Prefixes**	• Medical Terminology	**2 L**	**4**
Mid-term exam. No 1					**5**
Daily exams &Practical evaluation.	**Practical training.**	**Medical term components: Combining form**	Medical Terminology	**2 L**	**6**

			• Medical Terminology		
Daily exams &Practical evaluation.	**Practical training.**	**Medical term components: Suffixes**	Medical Terminology	**2 L**	**7**
Daily exams &Practical evaluation.	**Practical training.**	**Medical term components: exceptional terms**	• Medical Terminology	**2 L**	**8**
Daily exams &Practical evaluation.	**Practical training.**	**Biological System: Muscular-Skeletal and medical terms**	• Medical Terminology	**2 L**	**9**
Mid-term exam. No 2					**10**
Daily exams &Practical evaluation.	**Practical training.**	**Types of tissues and muscles and medical terms**	• Medical Terminology	**2 L**	**11**

Daily exams &Practical evaluation.	**Practical training.**	**Trauma during accidents and medical terms**	• Medical Terminology	**2 L**	**12**
Daily exams &Practical evaluation.	**Practical training.**	**Cardio-vascular system and medical terms**	• Medical Terminology	**2 L**	**13**
Daily exams &Practical evaluation.	**Practical training.**	**Vessels and arteries and medical terms**	• Medical Terminology	**2 L**	**14**
Daily exams &Practical evaluation.	**Practical training.**	**Commonly medical terms used in health sciencs**	• Medical Terminology	**2 L**	**15**

11. Course Evaluation

Evaluation				Score Standards
Formative		**Summative**		
Scores	Evaluation methods	Scores	Evaluation methods	- Excellent (90-100_ - Very Good (80-less than 90) - Good (70-less than 80) - Fair (60-less than 70) - Acceptable (50-less than 60) - Fail (less than 50)
%5	Daily Exams	%15	First Mid-term theoretical exam	
		%15	Second Mid-term theoretical exam	
%5	Participation	%60	Final practical exam	
%10		%90		)%100(total

12. Learning Resources

David Ellen, Medical Terminology: A Short course, 8th Edition by 2018.
Linda Stanhop, Introduction to Medical Terminology, 1st Edition 2016
Edward CC: A Short Course in Medical Terminology 1st Edition.
Heart health Glossary and Bone Health
1. https://www.nih.gov/health Heart Health Glossary National Institute Of Ageing
2. https://ncbi.nlm.nih.gov/bone Bone Medical Terminology

1. Course Name	
Laser Physics	
2. Course Code	
CLT 121201	
3. Semester/Year	
First Stage/Second Semester	
4. Date of Preparation of this Description	
23/8/2025	
5. Available Attendance Forms	
Personal Education (In-Person)	
6. Total Number of Hours and Units	
Number of Units (Total) 2*14=28 hours per semester	
7. Name of Course Supervisor	
Name	E-Mail
Dr. Hayder H. Al-Aaraji	hayder.aaraji@alameed.edu.iq

8. Course Objectives

1. Understand the nature of electromagnetic radiation, refraction, and laser properties
2. Learn lasing processes, including photon interactions, population inversion, and amplification.
3. Differentiate laser types (e.g., gas lasers) and their excitation mechanisms.
4. Analyze laser system components, operation principles, and radiation control methods.
5. Apply laser physics to cosmetology and medical treatments while ensuring safe usage

9. Teaching and learning strategies

- Student discussion.
- - Brain storm

10. Course Structure					
Evaluation Methods	**Teaching and Learning Methods**	**Subject Title**	**Required Learning Outcomes**	**Hours**	**Week**
Daily exams, Questions within the lecture,	**- Practical - and - theoretical**	Electromagnetic Radiation in Vacuum and Matter	Knowledge, understandingand application	**2T**	**1**
Daily exams, Questions within the lecture,	**- Practical and theoretical**	Refraction of Light Beam – Snell's Law	Knowledge, understandingand application	**2T**	**2**
Daily exams, Questions within the lecture,	**- Practical - and - theoretical**	Properties of Laser Radiation	Knowledge, understandingand application	**2T**	**3**
Daily exams, Questions within the lecture.	**- Practical and theoretical.**	Lasing Processes and Atomic Models	Knowledge, understandingand application	**2T**	**4**
Mid-term exam. No 1					**5**
Daily exams, Questions within the lecture,	**- Practical - and - theoretical**	Absorption and Spontaneous Emission	Knowledge, understandingand application	**2T**	**6**
Daily exams, Questions within the lecture,	**- Practical and theoretical**	Population Inversion and Amplification	Knowledge, understandingand application	**2T**	**7**

Daily exams, Questions within the lecture,	**- Practical and theoretical**	Three-Level and Four-Level Lasers	Knowledge, understandingand application	**2T**	**8**
Daily exams, Questions within the lecture,	**- Practical and theoretical.**	Components of the Laser System	Knowledge, understandingand application	**2T**	**9**
Mid-term exam. No 2					**10**
Daily exams, Questions within the lecture,	**- Practical and theoretical.**	Operation of a Laser System	Knowledge, understandingand application	**2T**	**11**
Daily exams, Questions within the lecture,	**- Practical and theoretical**	Gain Curves and Loop Gain Calculations	Knowledge, understandingand application	**2T**	**12**
Daily exams, Questions within the lecture.	**- Practical and theoretical**	Continuous-Wave and Pulsed Lasers	Knowledge, understandingand application	**2T**	**13**
Daily exams, Questions within the lecture,	**- Practical and theoretical**	Gas Lasers and Laser Resonators	Knowledge, understandingand application	**2T**	**14**

Daily exams, Questions within the lecture,	**- Practical and theoretical**	**Control of Laser Radiation Properties**	Knowledge, understandingand application	**2T**	**15**
Daily exams, Questions within the lecture,	**- Practical and theoretical**	**Laser Applications in Cosmetology and Medical Fields**	Knowledge, understandingand application	**2T**	**16**
Daily exams, Questions within the lecture,	**- Practical and theoretical**	**Final Project and Practical Examination**	Knowledge, understandingand application	**2T**	**17**

11. Course Evaluation

Evaluation				**Score Standards**
Formative		**Summative**		
Scores	Evaluation methods	Scores	Evaluation methods	- Excellent (90-100_ - Very Good (80-less than 90) - Good (70-less than 80) - Fair (60-less than 70) - Acceptable (50-less than 60) - Fail (less than 50)
2.5%	Daily Exams	%12.5	First Mid-term theoretical exam	
		%12.5	Second Mid-term theoretical exam	
2.5%	Participation	%70	Final theory exam	
%5		%95		)%100(total

12. Learning Resources
Dr. Hayder H. Al-Aaraji. Given Lectures, 2026. Dr. Hayder H. Al-Aaraji. Given Lectures, 2026. Dr. Hayder H. Al-Aaraji. Given Lectures, 2026. Dr. Hayder H. Al-Aaraji. Given Lectures, 2026. General Laser Physics Laser Physics Laser & Photonics Reviews Journal of Laser Applications Fundamentals of Photonics Laser Electronics / Lasers https://www.youtube.com/watch?v=ovT8lRAkFME

1. Course Name	
Organic Chemistry	
2. Course Code	
CLT 121212	
3. Semester/Year	
Second Stage/Second Semester	
4. Date of Preparation of this Description	
2026/3/14	
5. Available Attendance Forms	
Personal Education (In-Person)	
6. Total Number of Hours and Units	
4 Theoretical + 12 Clinical (16 Hours Per Week), Number of Credits (8)	
7. Name of Course Supervisor	
Name	E-Mail
-Assist. Lech. Maryam Khaleel Jalil	mariam_al-khafaji@alameed.edu.iq
8. Course Objectives	
To provide the student with an understanding of organic chemistry, including related reactions and methods for preparing organic compounds.	
9. Teaching and learning strategies	
- Student discussion. - Brain storm	

10. Course Structure					
Evaluation Methods	**Teaching and Learning Methods**	**Subject Title**	**Required Learning Outcomes**	**Hours**	**Week**
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars. - Clinical training.	Introduction to Organic Chemistry (Hydrocarbons)/ Purification of Organic Compounds	Theoretical practical	4T + 12 C	1
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars. - Clinical training.	lkanes, Alkenes and Alkynes/ Separation of Organic Compounds	Theoretical practical	4T + 12 C	2
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	Alcohols: Classification, Properties and Their Reactions/ Hydrolysis of Polysaccharides by Saliva	Theoretical practical	4T + 12 C	3
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	Aldehydes and Ketones: Properties and Their Reactions/ Practical Test	Theoretical practical	4T + 12 C	4
Mid-term exam. No 1					5
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	Carboxylic Acids: Properties and Their Reactions/ Flame Photometry	Theoretical practical	4T + 12 C	6
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	Amines, Aromatic Hydrocarbons and Polynuclear Aromatic Compounds/	Theoretical practical	4T + 12 C	7

Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	Introduction to Biochemistry (Carbohydrates)/ Fractional Distillation	Theoretical practical	4T + 12 C	8
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	Amino Acids and Proteins/ Paper Chromatography	Theoretical practical	4T + 12 C	9
Mid-term exam. No 2					10
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	Polymer Chemistry/ Thin Layer Chromatography (TLC) Technique	Theoretical practical	4T + 12 C	11
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	Polymers: Classification and Their Properties/ Practical Test	Theoretical practical.	4T + 12 C	12
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	Reactions of Polymers/ Estimation of Alcohol	Theoretical practical.	4T + 12 C	13
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	Natural Polymers and Their Uses/ Estimation of Phenol	Theoretical practical	4T + 12 C	14
Daily exams, Questions within the lecture, &Practical evaluation.	- Lectures. - Scenarios and seminars - Clinical training.	The Mechanics of Elastic Solids/ Estimation of Aldehydes and Ketones	Theoretical practical	4T + 12 C	15

Daily exams, Questions within the lecture, &Practical evaluation.	**- Lectures. - Scenarios and seminars - Clinical training.**	**Stress–Strain Curve/ Preparation of Nylon**	**Theoretical practical**	**4T + 12 C**	**16**
Daily exams, Questions within the lecture, &Practical evaluation.	**- Lectures. - Scenarios and seminars - Clinical training.**	**Green Chemistry/ Final Practical Tes**	**Theoretical practical**	**4T + 12 C**	**17**

11. Course Evaluation

Evaluation				Score Standards
Formative		**Summative**		
Scores	Evaluation methods	Scores	Evaluation methods	- Excellent (90-100_ - Very Good (80-less than 90) - Good (70-less than 80) - Fair (60-less than 70) - Acceptable (50-less than 60) - Fail (less than 50)
%1	Daily Exams	%10	First Mid-term theoretical exam	
%1	Seminars	%10	Second Mid-term theoretical exam	
%1	Reports	%15	Mid-term practical evaluation	
%1	Participation	%20	Final practical exam	
%1	Volunteer Work	%40	Final theoretical exam	
%5		%95		)%100(total

12. Learning Resources

Robert T. Morrison and Robert N. Boyd. Organic Chemistry McCurry. Organic Chemistry. 5th ed.; Thomson Learning
Lehninger Principles of Biochemistry. Textbook of Polymer Science
. Principles of Polymerization.
Materials Science and Engineering: An Introduction. Green Chemistry: Theory and Practice.
Principles of Instrumental Analysis.

1. Course Name
Human Biology
2. Course Code
HMT **121202**
3. Semester/Year
Secound Semester / First Year
4. Date of Preparation of this Description
2026/8/25
5. Available Attendance Forms
Face-to-face attendance: theoretical lectures and practical laboratory sessions, supported by blended/online learning activities through the University Learning Management System (LMS), where applicable.
6. Total Number of Hours and Units
3 Credit Hours / 3 Units
7. Name of Course Supervisor

Name	E-Mail
Dr. Ali Hamad Abd Kelkawi	Ali.Kelkawi@alameed.edu.iq

8. Course Objectives

1. Understand the Fundamental Principles of Biology
2. Describe Cell Structure and Function
3. Explain the Structure and Function of the Cytoplasmic Membrane
4. Recognize the Role of Biological Molecules and Metabolism
5. To provide students with a foundational understanding of the structure, types, and biological roles of nucleic acids (DNA and RNA) within cells.
6. Analyze Cell Division Processes: Mitosis and Meiosis
7. Explore Microorganisms: Bacteria, Viruses, and Fungi
8. Identify and Classify Animal Tissues
9. Apply Proper Laboratory Techniques and Safety Protocols Perform Core

9. Teaching and learning strategies

1. Interactive Lectures
2. Problem-Based Learning (PBL)
3. Case-Based Learning
4. Small-Group Discussion
5. Practical Laboratory Sessions
6. Microscopy and Histological Observation
7. Anatomical Models and Visual Learning
8. Student Presentations and Seminars
9. Formative Assessment and Active Recall
10. Blended and Digital Learning

10. Course Structure					
Evaluation Methods	**Teaching and Learning Methods**	**Subject Title**	**Required Learning Outcomes**	**Hours**	**Week**
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Introduction of Biology**	Definition and branches of biology * Characteristics of living organisms * Levels of biological organization * Branches of biology	**2 T**	**1**
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Chemistry of life and the nature of biological molecules**	Elements essential to life Macromolecules: carbohydrates, lipids, proteins, nucleic acids * Structure and function of each macromolecule	**2 T**	**2**
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Cell Structure**	Structure: phospholipid bilayer, proteins, cholesterol * Fluid mosaic model * Functions of lipid and proteins in cell membrane * Functions of cell membrane	**2 T**	**3**
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**The Cytoplasmic Membrane**	Types of Nucleic Acids *Structure of Nucleic Acids)DNA and RNA(*The central dogma of biology * Functions of DNA and RNA	**2 T**	**4**
Mid-term exam. No 1					**5**
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Nucleic Acids in Cells: Structure, Types, and Functions**	Phases of the cell cycle (G1, S, G2, M) * Mitosis stages and significance * Meiosis: stages and genetic significance * Cell cycle control and checkpoints * Overview of cancer as uncontrolled cell division	**2 T**	**6**

Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Midterm Exam**	Covers content from Lectures 1–6 * May include multiple choice, short-answer, labeling diagrams, and prac	**2 T**	**7**
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Bacteria: Types and Structure**	* Classification by shape (cocci, bacilli, spirilla) * Gram-positive vs. Gram negative bacteria * Bacterial structure: cell wall, capsule, pili, flagella * Bacterial reproduction (binary fission) * Beneficia	**2 T**	**8**
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Viruses in humans: Types, Structure, and Diseases**	Structure: capsid, genetic material (DNA/RNA), envelope * Lytic vs. lysogenic cycles * Classification: DNA viruses, RNA viruses, retroviruses * Common viral diseases (HIV, influenza, hepatitis, COVID-19) * Vaccines and a	**2 T**	**9**
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Fungi: Classification, Structure, and Diseases**	Characteristics and classification of fungi * Structure: hyphae, mycelium, spores * Modes of reproduction (sexual/asexual) * Useful fungi (e.g., antibiotics, fermentation) * Common fungal infections (e.g., athlete's fo	**2 T**	10
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Parasites: classification, structure and pathogenesis**	nd pathogenesis *Introduction to Basic Concepts & Terminology * Classification of Medically Important Parasites * Transmission Dynamics & Life Cycles	**2 T**	13

Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Introduction to Animal Tissues and Epithelial Tissue**	Definition of tissue * Classification of animal tissues 13 * Types of epithelial tissues: squamous, cuboidal, columnar * Structure, location, and function of each epithelial type 13. Nervou	**2 T**	14

Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Nervous Tissue: Components and Functions**	Neurons: structure and types * Neuroglia: types and roles * Functions of nervous tissue * Signal transmission basics	**2 T**	15
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Connective Tissue: Types and Functions**	Characteristics and components (cells, fibers, matrix) * Types: loose, dense, cartilage, bone, blood * Functions: support, transport, defense, storage * Specializ	**2 T**	16
Daily exams, Questions within the lecture.	**- Lectures.** **- Discussion.**	**Muscle Tissue: Types and Work Mechanics**	Types: skeletal, cardiac, smooth * Microscopic structure of muscle fibers * Mechanism of muscle contraction * Voluntary vs. involuntary muscle functions	**2 T**	17

11. Course Evaluation

Evaluation				**Score Standards**
Formative		**Summative**		
Scores	Evaluation methods	Scores	Evaluation methods	- Excellent (90-100_ - Very Good (80-less than 90) - Good (70-less than 80) - Fair (60-less than 70) - Acceptable (50-less than 60) - Fail (less than 50)
%2	Daily Exams	%10	First Mid-term theoretical exam	
%2	Seminars	%10	Second Mid-term theoretical exam	
%2	Reports	%70	Final theoretical exam	
%2	Participation			
%2	Volunteer Work			
%10		%90		)%100(total

12. Learning Resources
1. Marieb, E. N., & Hoehn, K. M. Human Anatomy & Physiology. Pearson. 2. OpenStax. Anatomy and Physiology. Rice University. Nature Reviews – selected articles related to human biology and physiology. • Physiological Reviews – selected review articles. • Medical and biomedical peer-reviewed journals. • World Health Organization (WHO) educational and health resources where relevant. • Recent evidence-based literature related to human physiology, health and disease. • Stanford University – Human Biology • University of Oxford – Institute of Human Sciences • OpenStax – Anatomy and Physiology • National Center for Biotechnology Information (NCBI) • Khan Academy – Biology

1. Course Name	
Medical Physics	
2. Course Code	
HMT **121203**	
3. Semester/Year	
Second Semester/ First Year	
4. Date of Preparation of this Description	
25/8/2026	
5. Available Attendance Forms	
Personal Education (In-Person)	
6. Total Number of Hours and Units	
3 Credit Hours / 3 Units	
7. Name of Course Supervisor	
Name	E-Mail
Dr. Sara Ahmed	sara.ahmed@alameed.edu.iq

8. Course Objectives

Upon successful completion of this course, the student will be able to:
1. Establish a solid foundation in the fundamental principles of Medical Physics relevant to health sciences.
2. Integrate physical sciences with human anatomy, physiology, and clinical medicine to explain normal biological functions
. 3. Interpret the physical mechanisms underlying diagnostic and therapeutic medical technologies.
4. Develop analytical and quantitative reasoning skills for solving healthcarerelated physical problems .
5. Apply physical principles to the operation and safe use of biomedical equipment.
6. Evaluate the advantages, limitations, and clinical indications of major diagnostic modalities.
7. Promote radiation protection, patient safety, and quality assurance principles in medical practice. 8. Develop scientific inquiry, evidence-based thinking, and lifelong learning skills.
9. Demonstrate professional, ethical, and collaborative behaviors during laboratory and classroom activities.
10. Prepare students for advanced study in medical technology and clinical sciences.
11. Foster critical thinking and clinical decision-making through the application of Medical Physics concepts.

9. Teaching and learning strategies

The course employs student-centered and outcome-based teaching strategies to promote active learning, critical thinking, and clinical reasoning. The main teaching strategies include:
- Interactive lectures supported by multimedia presentations.
- Case-based learning (CBL) to relate physical principles to clinical practice.
- Problem-solving sessions using quantitative and analytical approaches.
- Laboratory demonstrations and hands-on practical activities.
- Small-group discussions and collaborative learning .
- Question-and-answer sessions to enhance student engagement.
- Formative assessments and timely feedback to monitor students' progress.
- Self-directed learning through assigned readings and independent study.
- Use of medical images, simulations, and audiovisual resources to reinforce learning. • Integration of evidence-based practice and patient safety concepts throughout the course.

10. Course Structure					
Evaluation Methods	**Teaching and Learning Methods**	**Subject Title**	**Required Learning Outcomes**	**Hours**	**Week**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Introduction and Overview to Medical Parasitology**	Learn about parasitology and its classifications, mentioning the type of each species.	**2T**	**1**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Protozoa, Entamoeba Histolytica, Extraintestinal Amoebiasis, Entamoeba Coli**	Identify protozoa that exist as parasites. Identify types of amoebiasis, the diseases they cause, their diagnosis and treatment.	**2T**	**2**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Intestinal Flagellates**	Learn the basic concepts of flagellates that infect the intestine, their types, the diseases they cause, and methods of diagnosing and treating them.	**2T**	**3**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Luminal and Atrial flagellates**	Learn the basic concepts **Luminal and Atrial flagellates**, the diseases they cause, and methods of diagnosing and treating them.	**2T**	**4**
Mid-term exam. No 1					**5**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Tissue flagellate, Leishmania Donovani Leishmania Tropica**	Understand the basic concepts, **Tissue flagellate, Leishmania Donovani, Leishmania Tropica** the diseases they cause, and methods of diagnosing and treating them.	**2T**	**6**

Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Trypanosomes**	Learn about the types of trypanosomes, the diseases they cause, and how to treat and diagnose them.	**2T**	**7**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Malaria**	Learn about the types of **Malaria,** the diseases they cause, and how to treat and diagnose them.	**2T**	**8**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Toxoplasma Gondii**	Learn about Toxoplasma Gondii, the diseases it causes, and how to treat and diagnose them.	**2T**	**9**
Mid-term exam. No 2					**10**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Helminthes (metazoan) general structure**	Identify the types of Helminthes (metazoan) general structure, the diseases they cause, and methods of treating and diagnosing them.	**2T**	**11**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Blood Flukes Schistosomes**	Learn about the types of Blood Flukes, Schistosomes, the diseases they cause, and how to treat and diagnose them.	**2T**	**12**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Enterobiusvermicularis, Trichuristrichiura & Ancylostomaduodenale**	Identify the types of Enterobius vermicularis, Trichuristrichiura & Ancylostomaduodenale, the diseases they cause, and methods of treatment and diagnosis.	**2T**	**13**
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Virology Part 1**	Learn the basic concepts of virology, methods of treatment, transmission and spread among members of	**2T**	**14**

			society, and the methods of classification that are used to classify them.		
Daily exams, Questions within the lecture, &Practical evaluation.	**Theoretical lectures. Scenarios and videos. Laboratory training.**	**Virology Part 2**	Identify the most important types of pathogenic viruses	**2T**	**15**

11. Course Evaluation

Evaluation				**Score Standards**
Formative		**Summative**		
Scores	Evaluation methods	Scores	Evaluation methods	- Excellent (90-100_ - Very Good (80-less than 90) - Good (70-less than 80) - Fair (60-less than 70) - Acceptable (50-less than 60) - Fail (less than 50)
%1	Daily Exams	%10	First Mid-term theoretical exam	
%1	Seminars	%10	Second Mid-term theoretical exam	
%1	Reports	%15	Mid-term practical evaluation	
%1	Participation	%20	Final practical exam	
%1	Volunteer Work	%40	Final theoretical exam	
%5		%95		)%100(total

12. Learning Resources

- Jawetz Melnick&Adelbergs Medical Microbiology 26/E (Lange Medical Books) 26th Edition.
- Paniker's Textbook of Medical Parasitology 8th Edition
- Online learning Videos.
- Different Online Scientific Articles and Journals.

نموذج وصف المقرر

1- اسم المقرر: حقوق الإنسان والديمقراطية	
2- رمز المقرر: UOA114 (متطلب جامعي)	
3- السنة الدراسية: 2026/2025 الفصل: الثاني	
4- تاريخ اعداد الوصف 2026/8/23	
5- اشكال الحضور المتاحة: حضور فعلي في القاعات الدراسية	
6- عدد الساعات الدراسية 30 ساعة عدد الوحدات 2 وحدة	
7- اسم مسؤول المقرر: م.د. أحمد يعقوب ابراهيم	
8- أهداف المقرر	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- التعريف بآليات الامم المتحدة لحماية حقوق الإنسان . 5- معرفة المنظمات والهيئات الدولية المعنية بالدفاع عن حقوق الإنسان . 6- معرفة الديمقراطية المعاصرة ومفاهيمها . 7- بيان العلاقة بين حقوق الإنسان والديمقراطية . معرفة ضمانات الحرية والحقوق العامة.
9-استراتيجيات التعليم	١- استراتيجيات قائمة على الحوار والنقاش مثل العصف الذهني، المناظرة والمناقشة الموجهة. ٢- استراتيجيات قائمة على التعلم التعاوني مثل التعلم القائم على المشروع، التعلم بالخدمة المجتمعية والتعلم الجماعي. ٣- استراتيجيات قائمة على المواقف والمحاكاة مثل تمثيل الأدوار، دراسة الحالة والمحاكاة. ٤- استراتيجيات قائمة على التفكير النقدي مثل حل المشكلات والتفكير الناقد والتحليل. ٥- استراتيجيات توظيف التكنولوجيا مثل استخدام العروض التفاعلية والفيديوهات التعليمية.

10-بنية المقرر (محتويات المادة العلمية)

الاسبوع الأول :- تعريف حقوق الأنسان وأهميتها [2 ساعة]

1- تعريف حقوق الإنسان وخصائصها وأهميتها
2- أنواع حقوق الإنسان (الحقوق السياسية الجيل الأول و الحقوق الاجتماعية و الاقتصادية الجيل الثاني و الحقوق البيئية و التنموية

الاسبوع الثاني: انواع حقوق الإنسان [2 ساعة]

1- انواع حقوق الأنسان في الشريعة الإسلامية
2- انواع حقوق الأنسان في دستور جمهورية العراقية لعام 2005م

الاسبوع الثالث: الآليات الوطنية و الإجرائية لحقوق الإنسان[2 ساعة]

1- الآليات الوطنية العامة لحقوق الإنسان (احترام السلطات العامة للحقوق و الحريات ، الفصل بين السلطات العامة ، استقلال القضاء و مبدأ المواطنة)
2- الآليات الوطنية الخاصة بحقوق الإنسان(المؤسسات الرقابية، المؤسسات التوعوية)

الاسبوع الرابع: تعريف الشرعية الدولية لحقوق الإنسان وعناصرها [2 ساعة]

1- تعريف الشرعية الدولية لحقوق الإنسان
2- مواثيق الشرعية الدولية لحقوق الإنسان(الإعلان العالمي لحقوق الإنسان و العهدان الدوليان للحقوق لعام 1966)
3- إطار الشرعية الدولية لحقوق الإنسان

الاسبوع الخامس: حقوق الفئات الخاصة (الحقوق الفئوية) [2 ساعة]

1- حقوق المرأة و الطفل و الشباب
2- حقوق ذوي الإعاقة و الأقليات
3- الأليات و الإجراءات الوطنية لتطبيق الحقوق الخاصة

الاسبوع السادس:مكافحة الانتهاكات الجسيمة لحقوق الإنسان [2 ساعة]

1- اتفاقية مناهضة التعذيب وغيرها
2- الاتفاقية الدولية لحماية جميع الاشخاص من الاختفاء القسري لعام 2006

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

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

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

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

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

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

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

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

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

1- التحديات القانونية و السياسية
2- قضايا حقوق الإنسان المعاصرة.

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

1- تعريف الديمقراطية .
2- الجذور التاريخية للديمقراطية .
3- تطور الديمقراطية في العصور الحديثة .
4- الديمقراطية في القرن العشرين .
5- انماط الديمقراطية (من حيث العلاقة مع النظام السياسي، من حيث العلاقة مع الشعب).

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

1- اهمية فصل السلطات في الديمقراطية .
2- آليات ضبط و التوازن .
3- الانتخابات كآلية للديمقراطية .
4- الاحزاب السياسية (مفهوم الحزب السياسي و أنواعها - الكادري، الجماهيري، حزب كل شي- والنظم الحزبية).

الاسبوع الرابع عشر: الأنظمة الديمقراطية المقارنة [2 ساعة]

1- النظام الرئاسي.
2- النظام البرلماني.

3- النظام الشبه الرئاسي.

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

1- مفهوم الديمقراطية الرقمية .
2- مزايا الديمقراطية الرقمية.
3- التجربة الديمقراطية في العراق .

11. تقييم نتائج عملية التعلم

تكون درجة التقييم النهائية 100% وتقسم الى:

- 30% درجة السعي وهي نتاج نشاط الطالب اليومي وحضوره وامتحان نصف الكورس
- 70% درجة الامتحان النهائي

12:مصادر التعلم

مجموعة من المؤلفات العلمية المعتمدة كمنهج علمي فضلا عن القوانين والاتفاقيات الدولية

- د. مهند ضياء الخزرجي، د. مصدق عادل، حقوق الإنسان وحرياته، مكتبة السنهوري، 2019
- د. علي فرج الظاهري ، الديمقراطية شبة مباشرة وتطبيق مظاهرها في بعض الدول الديمقراطيات المعاصرة, منشورات الحلبي الحقوقية, بيروت، 2010
- علي يوسف الشكري ،حقوق الإنسان بين النص والتطبيق : دراسة في الشريعة الإسلامية والمواثيق الدولية، دار الصفاء للنشر والتوزيع ، 2011.
- د. حميد حنون الساعدي، حقوق الإنسان، الطبعة الاولى، مكتبة السنهوري، بغداد، 2013
- رسالة الحقوق للإمام علي بن الحسين عليه السلام
- عهد الامام علي عليه السلام الى مالك الاشتر
- اعلان حقوق الانسان والمواطن الفرنسي
- الدستور العراقي لعام 2005
- الاعلان العالمي لحقو ق الإنسان منشور على الموقع التالي: https://www.un.org
- العهد الدولي للحقوق المدنية والسياسية لعام 1966م https://www.ohchr.org/ar/instruments-mechanisms/instruments/international-covenant-

1. Course Name	
Medical TerminologyII	
2. Course Code	
CLT **121113**	
3. Semester/Year	
Second, 2026	
4. Date of Preparation of this Description	
2025/8/24	
5. Available Attendance Forms	
Personal Education (In-Person)	
6. Total Number of Hours and Units	
15 hours/15 Units	
7. Name of Course Supervisor	
Name	E-Mail
Prof. Dr. Abdul-Hameed Khalid Khadhair	abdul-hameed@alameed.edu.iq

8. Course Objectives

1. **This medical terminology 2 is set for the Beauty and Cosmo started by Reviewing the basic component of the medical term.**
2. **Application of the medical term in fields of dermatology**
3. **Identifying the anatomical structure of the skin layers using English and Latin names as medi terms..**
4. **Describing the impact of the external and internal factors causing damage to the skin and medical terms applied for the most important cases associated with skin infection and injuries.**

9. Teaching and learning strategies

- Theoretical lecture using power points presentation
- Using video and picture description of the anatomical organs and medical terms.
- Students participation and discussion in the lecture understanding.
- Extracting the conclusions after each discussion.

10. Course Structure

Week	Hour	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	1	Reviewing the introduction on the medical term, Latin and English names Medical Terminology	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Second	1	Reviewing medical term components: importance and applications of medical terms	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Third	1	Reviewing medical term components: word root	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Fourth	1	Reviewing medical term components: prefixes	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Fifth	1	Reviewing medical term components: combining form	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Sixth	1	Reviewing medical term components: suffixes	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Seventh	1	Reviewing medical term components: exceptional terms	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Eighth	1	Integumentary system: role and function,	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Ninth	1	Dermal Structure (Skin Layers)	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Tenth	1	Epidermal Layer	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Elevent	1	Cortex Layer	Medical	Theoretical	Short and

h			Terminology	lectures	midterm exams & attendance
Twelfth	1	Subcortical layer	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Thirteenth	1	Skin appendages (Hair, nails, glands)	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Fourteenth	1	Commonly Dermal physiological and microbial diseases terms	Medical Terminology	Theoretical lectures	Short and midterm exams & attendance
Fifteenth		Abbreviations in Dermatology	Medical Terminology	Theoretical Lectures	Short and midterm exams & attendance

11. Course Evaluation

Evaluation				Score Standards
Formative		**Summative**		
Scores	Evaluation methods	Scores	Evaluation methods	- Excellent (90-100_ - Very Good (80-less than 90) - Good (70-less than 80) - Fair (60-less than 70) - Acceptable (50-less than 60) - Fail (less than 50)
%5	Daily Exams	%15	First Mid-term theoretical exam	
		%15	Second Mid-term theoretical exam	
%5	Participation	%60	Final practical exam	
%10		%90		)%100(total

12. Learning Resources

David Ellen, Medical Terminology: A Short course, 8th Edition by 2018.

Linda Stanhop, Introduction to Medical Terminology, 1st Edition 2016

Edward CC: A Short Course in Medical Terminology 1st Edition.

Terminology in Dermatology

1. DermNet: https://www.dermnetz.org

Terminology in Dermatology, Dr. Amanda Oakley

2. https://www.pcds.or.uk

Dermatology Dictionary, PCDC

3. https://www.midstateskin.com

Dermatology Terms, MidState Skin Institute

1. اسم المقرر
Arabic language for nurses
2. رمز المقرر
UOA 111
3. الفصل / السنة
First Stage/First Semester
4. تاريخ اعداد هذا الوصف
9/28/2025
5. اشكال الحضور المتاحة
Personal Education (In-Person)
6. عدد الساعات والوحدات الدراسية الكلي
2 Theoretical (2 Hours Per Week), Number of Credits (2)
7. اسم مسؤول المقرر

الاسم	الايميل
Lecturer Rami Mohammed Jawad	Lecturer Rami Mohammed Jawad

8. اهداف المقرر

1. أن ينشأ الطالب على حب العربيّة لغة القرآن الكريم. 2. التعرّف على مواطن الجمال في اللّغة العربيّة وآدابها.
3. تعريف الطالب بألفاظ اللّغة العربيّة الصحيحة وتراكيبها وأساليبها السليمة بطريقة مشوقة وجذابة.
4. تمكين الطالب من استعمال اللغة صحيحا فِي الاتصال و القراءة الصحيحة، وأن يكتسب القدرة على صياغة العبارات لغويا.
5. تنمية حس الاستماع لما يسمع؛ كالسرعة وجودة الإلقاء.
6. تنمية الذوق الأدبي لدى الطالب حتى يدرك النواحي الجمالية في أساليب الكلام ومعانيه وصوره. 7. استعمال أفكاره وما يقع تحت حواسه نطقا وكتابة وحسن تعويده التعبيرات السليمة الواضحة.
8. تنمية قدرة النواحي جميعها، ومهارة الطالب بحيث يستطيع الكتابة الصحيحة.
9. إيقاظ وعي الطالب إدراك حرف الكلمة وتوجيهها؛ للمحافظة على طهارتها ونقائها. 10. العمل على النهوض باللغة العربية والعمل على نشرها قدر المستطاع.
11. تعليم الطالب قواعد الحديث واحترام الرأي الاخر وكذلك التغلب على عامل العجلة.

9. استراتيجيات التعليم والتعلم
- المحاضرات النظرية. - المناقشات.

10. بنية المقرر

الأسبوع	الساعات	مخرجات التعلم المطلوبة	اسم الوحدة او الموضوع	طريقة التعلم	طريقة التقييم
1	2ن	1- يعرف الاخطاء الشائعة في الاملاء. 2 – يبين أهمية معرفة الشائعة في الاملاء. 3 – يوضح خصائص الشائعة في الاملاء. 4 – يشرح الشائعة في الاملاء	الاخطاء الشائعة في الاملاء	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
2	2ن	1- يعرفوا الحرف. 2- يحددوا الحرف. 3- يميزوا بين المبني والمعرب.	الحـــرف	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
3	2ن	التعرف على ما يُكتب بالضاد والظاء.	ما يُكتب بالضاد والظاء.	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
4	2ن	التعرف على الأخطاء الشائعة في اللغة	الأخطاء الشائعة في اللغة	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
5	**Mid-term exam. No 1**				
6	2ن	التعرف على النواسخ في العربية	النواسخ في العربية	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
7	2ن	التعرف على المبني والمعرب	المبني والمعرب	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
8	2ن	1– يعرف الادب العربي الحديث. 2 – يبين نوعي الادب. 3 – يذكر الشعر الحر. 4 – يحفظ قصيدة من الشعر الحر.	الشعر الح ر	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
9	2ن	التعرف على خطبة الرسول- عليه وآله الصلاة والسلام- من خلال تذكيره بفضل الدعوة الإسلامية عليهم، وتفضيل الرسول صلى الله عليه وآله وسلم العيش بين الأنصار دون غيرهم.	خطبة الرسول)صلى الله عليه وآله(بعد غزوة حنين	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
10	**Mid-term exam. No 2**				

11	2ن	-تحديد همزتي الوصل والقطع.ل-تمييز مواضع همزتي الوص.والقطع -تبيان مواضع همزتي الوصل.والقطع	همزتا الوصل والقطع	محاضرات نظرية	- امتحانات يومية. - اسالة داخل المحاضرة.
12	2ن	كيفية وضع علامات او رموز متفق عليها توضع بين كلمة وأخرى، أو جملة وأخرى، أو في بدايات الجمل ونهاياتها، ترشد القارئ إلى ما يريده كاتب النص.	علامات الترقيم	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
13	2ن	التعرف على الشعراء المخضرمين الذين عاشوا قبل الإسلام وأدركوا الإسلام وقصائدهم في الرثاء	عينية أبي ذؤيب الهذلي	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
14	2ن	1-يعرف الشاعر. 2 – يبين مواقف الشاعر الحياتية. 3 – يوضح حب الشاعر لأهل بيت النبوة عليهم السلام. 4 – يقرأ قصيدة الشاعر. 5 – يشرح معنى القصيدة.	ميمية الفرزدق	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
15	2ن	أ- معرفة معاني القرآن، وأسرار التعبير فيه. ب- اختيار النصوص البليغة من الشعر والنثر. ج- تنمية القدرة على تمييز الكلام الحسن من الرديء. د- مساعدة المتكلم صياغة كلامه على وفق المناسبة.	البلاغة في اللغة والاصطلاح	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.

11. تقييم المقرر

معيار الدرجة	التقييم				
	تلخيصي		تكويني		
	طرق التقييم	الدرجة	طرق التقييم	الدرجة	
- امتياز)90-100(- جيد جدا)80-اقل من 90(- جيد)70-اقل من 80(- متوسط)60-اقل من 70(	امتحان شهر اول نظري	%10	امتحانات يومية	%5	
	امتحان شهر ثاني نظري	%10			
	امتحان نظري نهائي	%70			

- مقبول)50-اقل من 60(- ضعيف)اقل من 50(			مشاركة	%5
)%100(total	%90		%10	
12. مصادر التعلم والتدريس				
-. شرح ابن عقيل.شرح محمد محي الدين -.. العربية العامة للأقسام غير الاختصاص.د. سعد عليوي -. العربية العامة للأقسام غير الاختصاص.د. نضال احمد، د. انتصار سالم.				