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-Health-and-Medical-Technologies

Academic Program Description

Bachelor of Science in Health-and-Medical-Technologies

Undergraduate Stages(one-second-third-fourth)

2026-2027

Revised by

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

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https://alameed.edu.iq/College-of-Health-and-Medical-Technologies
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First: Program Information:

University: University of Al-Ameed

College: College of Health and Medical Technologies

Department: Department of Emergency Medical Technologies

Name of Academic Program: Bachelor of Emergency Medical Technologies

Name of Final Degree: Bachelor of Emergency Medical Technologies

Study System: Semester-based

Date of Preparation of Description: 4/12/2025

Date of Filling the File: 4/12/2025

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

The file has been 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

To be a leading academic and professional emergency medical technologies program in Iraq in preparing qualified technical personnel to provide safe, high-quality, evidence-informed, patient-centred emergency care applicable to pre-hospitalization, emergency, critical-care, and disaster settings, while responding to community needs and developments in emergency systems, medical technologies, and digital health.

2. Program Mission

To prepare graduates with integrated knowledge of medical and emergency sciences and practical competencies in assessment, triage, resuscitation, emergency care, patient transport, use of emergency equipment, management of critical conditions, trauma, and disasters, while maintaining commitment to patient safety, sanitation and hygiene, infection prevention and control, ethics, legislation, communication, documentation and medical report preparation, teamwork, scientific research, community service, and lifelong learning, in accordance with professional scope of practice and health needs in Iraq, using artificial intelligence whenever it is necessary and appropriate, ethically, safely, and within authorized scope.

3. Program Objectives

1.Provide students with a strong foundation in anatomy, physiology, medical terminology, chemistry, biochemistry, microbiology, pathology, pharmacology, and medical physics.

2.Develop the ability to perform rapid, systematic initial assessment and identify immediate life-threatening risks.

3.Master the principles of medical triage, prioritisation, safe transport, structured handover, and communication during emergencies.

4.Master life-support and resuscitation skills and the management of airway, breathing, circulation, shock, and altered consciousness within approved scope of practice.

5.Develop competencies in trauma, bleeding, choking, burns, electrical injuries, and medical and surgical emergencies.

6.Develop the ability to use emergency and intensive-care equipment and to conduct basic readiness, sanitation, hygiene, and safety checks.

7.Prepare students for prehospitalization care, medical transport, scene safety, effective teamwork, and safe handover.

8.Develop competencies in pediatric, women's, older-adult, psychological, and critical-care emergencies.

9.Prepare students to respond to disasters, mass-casualty incidents, crises, and health and environmental emergencies.

10.Strengthen patient safety, sanitation and hygiene, infection prevention and control, risk management, incident reporting, medical documentation, and medical report preparation.

11.Develop patient- and family-centred communication, crisis communication, structured handover, communication with angry or distressed patients, de-escalation of potentially aggressive behaviour, and Breaking Bad News within professional scope.

12.Develop accurate clinical documentation and safe use of digital technologies and information systems.

13.Develop clinical reasoning, problem-solving, and evidence-informed decision-making within professional scope.

14.Develop scientific research, statistics, evidence appraisal, and protocol evaluation skills.

15.Promote continuous learning, professional development, and responsible use of emerging technologies and digital resources.

16.Strengthen social responsibility, first-aid awareness, injury-prevention education, and community emergency preparedness.

17. Incorporate artificial intelligence appropriately to support learning, evidence retrieval, documentation, communication planning, and professional decision-making while protecting confidentiality and recognising its limitations.

4. Program Accreditation

This description provides an academic and programmatic framework directed toward accreditation requirements for programs in Iraqi colleges and institutes of health and medical technologies, with emphasis on strategic planning, curriculum alignment with learning outcomes, practical and clinical training, faculty competence, resources and equipment, scientific research, community service, program management, quality assurance, and continuous improvement.
Official reference: National Standards for Accreditation of Programs of Colleges and Institutes of Health and Medical Technologies in Iraq, First Edition, 2023, National Council for Accreditation of Programs of Colleges and Institutes of Health and Medical Technologies, Ministry of Higher Education and Scientific Research.

5. External influences

- Ministry of Higher Education and Scientific Research and national bodies responsible for accreditation and quality assurance.
- Ministry of Health, healthcare institutions, and emergency and ambulance directorates.
- Teaching hospitals, emergency hospitals, and intensive-care units.
- Emergency ambulance and medical transport services and call centres where

available.

- Civil Defence and institutions responsible for disasters and emergency response.
- Physicians, nurses, paramedics, and related health professions.
- Employers, graduates, students, and faculty members.
- Patients, families, and community representatives.

6. Program's Structure

The program duration is four years, equivalent to 128 weeks. According to the attached curriculum, the current plan contains 125 units and 160 scheduled weekly hours, including 88 theoretical and 72 practical hours. These totals should be reviewed and finally approved by the Curriculum Committee before formal adoption.

Year	Units	Weekly Hours	Main Focus
First	34	43	Basic sciences and academic skills
Second	35	45	Emergency fundamentals, drugs, equipment, and epidemiology
Third	28	36	Emergency technologies, intensive care, medical, surgical, and special emergencies
Fourth	28	36	Advanced emergency care, intensive care, trauma, clinical practice, and completion of the graduation project.
Total	125	160	Requires final verification and approval

7. Program's Description:

The courses in the attached curriculum have been retained as the basis of the study plan, while their presentation has been reorganized within this academic description. Any change to courses, units, or hours must pass through the Curriculum Committee and approved academic procedures

Year 1 – Semester 1

No.	Course (Arabic Title Translated)	Course Name	Units	Hours	Theory/Practical
1	Anatomy and Histology	Anatomy and Histology	3	4	2/2
2	Physiology	Physiology	3	4	2/2
3	General Chemistry	General Chemistry	3	4	2/2
4	Computer Science	Computer Science	3	4	1/3
5	Arabic Language	Arabic Language	2	2	2/0
6	Professional Ethics	Professional Ethics	2	2	2/0
	Total		16	20	

Year 1 – Semester 2

No.	Course (Arabic Title Translated)	Course Name	Units	Hours	Theory/Practical
1	Anatomy and Histology II	Anatomy and Histology II	3	4	2/2
2	Physiology II	Physiology II	3	4	2/2
3	Human Biology	Human Biology	3	4	2/2
4	Biochemistry	Biochemistry	3	4	2/2
5	Medical Physics	Medical Physics	3	4	2/2
6	Human Rights and Democracy	Human Rights and Democracy	2	2	2/0
7	Medical Terminology I	Medical Terminology I	1	1	1/0
	Total		18	23	

8. Expected Learning Outcomes

The program adopts a three-part graduate outcome structure: Knowledge, Skills, and professional Attitudes. The structure has been adapted for the Department of Emergency Medical Technologies. The logic of observable and assessable graduate outcomes is used as a framework, while the competencies are formulated to reflect the technical role in emergency care and professional scope of practice rather than physician responsibilities.

9. Teaching and Learning Strategies

Teaching and Learning Philosophy and Strategies

The program applies contemporary teaching methods suited to the nature of emergency care. Learning is short-cycle, highly interactive, scenario-based, and directed toward safe performance. The method is selected according to the competency to be developed rather than the ease of content delivery.

Method	Application in the Department
Co-Teaching	Joint sessions by faculty members to integrate medical, technical, professional, and safety content.
Peer-Assisted Learning	Students explain and review skills and provide structured feedback under faculty supervision.
Interdisciplinary Project-Based Learning	Joint projects with medicine, dentistry, pharmacy, nursing, and health-technology disciplines.
Problem-Based Learning (PBL)	An emergency problem leads to identification of learning needs, inquiry, analysis, and solution.
Case-Based Discussion (CBD)	Real or simulated cases addressing assessment, prioritisation, safety, and communication.
Simulation	Scenarios involving resuscitation, deterioration, trauma, equipment, disasters, and handover with debriefing.
Role Play	Communication, handover, family interaction, teamwork, and professional situations.
Flipped/Blended Learning	Core content is studied before class and class time is used for application and analysis.
Reflective Learning	Portfolio and structured reflection convert experience into learning and improvement.
Interactive Lecture	Short lectures incorporating questions, polling, scenarios, and brief cases.

Student and Faculty Roles

Student	Faculty Member
Researcher, discussant, practitioner, and evaluator of own performance.	Facilitator and designer of learning experiences and observer of performance.
Assumes increasing responsibility for learning.	Provides guidance and feedback and ensures safety.
Learns individually, collaboratively, and interprofessionally.	Coordinates the educational experience and links it to competencies and assessment.

Longitudinal Themes

Longitudinal themes are embedded horizontally across disciplines and vertically across the four years within courses, activities, and assessments. They are not treated as separate lectures. This structure links themes with learning outcomes, teaching methods, assessment, and feedback.

Longitudinal Theme	Year 1	Year 2	Year 3	Year 4
Communication and Handover	Communication foundations, listening, empathy, and professional boundaries.	Communication in cases, angry/distressed patients, families, and de-escalation.	Clinical handover, crisis communication, and Breaking Bad News.	Mastery of difficult communication, de-escalation, handover, and professional escalation.
Patient Safety and Infection Prevention and Control	Safety culture, sanitation and hygiene, and basic infection prevention.	Errors and contributing factors	Procedural safety	Quality improvement
Professionalism and Leadership	Professional behaviour	Responsibility and teamwork	Team leadership	Situational leadership
Ethics and Rights	Confidentiality and dignity	Responsibility and role boundaries	Ethical situations	Professional decisions and escalation
Behavioural and Social Sciences	Understanding the patient	Social factors	Behaviour in emergencies	Communication with vulnerable groups
Critical Thinking and Evidence	Thinking fundamentals	PBL and research	Case analysis	Evidence-informed decisions
Health Promotion and Prevention	Prevention	Awareness	Injury prevention	Community projects
Humanitarian Health and Disasters	General concepts	Preparedness	Disaster simulation	Response and team leadership

10. Evaluation Methods

- A range of written examinations.
- Quizzes and continuous assessment.
- OSCE/OSPE or structured skills stations according to available resources.
- Simulation of resuscitation, triage, critical conditions, and mass-casualty incidents.
- Standardised skills checklists.
- Clinical and field assessment using rubrics.
- Assessment of cases, professional scenarios, communication, and handover.
- Oral examinations when appropriate.

- Scientific reports, presentations, and research tasks.
- Professional portfolio.
- Graduation project assessment.
- Comprehensive assessment of program learning outcomes using multiple methods. Alignment of assessment with competencies: knowledge is assessed through appropriate examinations; skills are assessed through direct performance in OSCE/OSPE, simulation, laboratories, and training; attitudes and values are assessed through structured observation, portfolio, self-assessment, peer assessment, and multisource feedback when appropriate.

11. Faculty Staff

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

12. Professional Development

Professional development of faculty members

- Competency-based education, simulation, and OSCE.
- Training in simulation, debriefing, structured feedback, communication, de-escalation, and assessment of professional behaviour.
- Training in simulation, debriefing, and feedback.
- E-learning, digital health, responsible artificial intelligence use, and information literacy.
- E-learning and digital health.
- Curriculum and outcome-map updating.
- Conferences, professional courses, and healthcare partnerships.
- Periodic evaluation of faculty performance.

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 (**https://alameed.edu.iq/College-of-Health-and-Medical-Technologies**)
2. The College of health and medical technologies Guide.

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 health and medical technologies Iraqi Colleges.

Area	Proposed Action
Curriculum Update	Annual review of content, protocols, communication competencies, documentation/reporting requirements, and outcomes.
Simulation	Develop a simulation laboratory and link skills to assessment stations.
Field Training	Diversify sites and link them to field-training outcomes and the skills portfolio.
Patient Safety	Introduce safety indicators, reporting, and incident analysis.
Disasters	Annual mass-casualty, triage, and resource-management exercises.
Assessment	Expand OSCE, simulation, and field assessment.
Research	Expand digital resources, databases, and responsible AI-supported learning, evidence retrieval, documentation, and communication tools.
Community Service	Regular first-aid and prevention programs.
Digital Transformation	Expand databases and e-learning.
Accreditation	Maintain a continuous accreditation evidence file containing indicators and improvements.

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	G 1 L.O.1	Essential or Elective	Name of Course	Code of Course	Level
×	×	×	×	×	×	×	×	×	×	**Essential**	Anatomy and Histology]	**EMT 111201**	**first Stage**
×	×	×	×	×	×	×	×	×	×	**Essential**	Physiology]	**EMT 111202**	
	×	×		×	×	×	×	×	×	**Essential**	General Chemistry	**HMT 111201**	
×	×	×		×	×	×	×	×	×	**Essential**	Computer Science]	**UOA 113**	
	×	×		×	×	×	×	×	×	**Essential**	Arabic Language]	**UOA 111**	
×	×	×	×	×	×	×	×	×	×	**Essential**	Professional Ethics	**EMT 111103**	
×	×	×	×	×	×	×	×	×	×	**Essential**	Anatomy and Histology**II**	**EMT 121211**	
×	×	×	×	×	×	×	×	×	×	**Essential**	Physiology]]	**EMT 121212**	
×	×	×	×	×	×	×	×	×	×	**Essential**	Human Biology	**HMT 121202**	
×	×	×	×	×	×	×	×	×	×	**Essential**	Biochemistry	**EMT 121213**	
×	×	×	×	×	×	×	×	×	×	**Essential**	Medical Physics	**HMT 121203**	
×	×	×			×	×	×	×	×	**Essential**	Human Rights and Democracy	**UOA 114**	
	×	×	×	×	×	×	×	×	×	**Essential**	Medical Terminology]	**EMT 121104**	

Course Description Form

1. Course Name:	
Human Anatomy & Histology	
2. Course Code:	
EMT 111201/EMT 121211	
3. Semester / Year:	
2 / year	
4. Description Preparation Date:	
2026/8/23	
5. Available Attendance Forms:	
Student attendance in classrooms	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60/3	
7. Course administrator's name (mention all, if more than one name)	
Name: Dr. Ahmed Ali Email: ahmed.ak@alameed.edu.iq	
8. Course Objectives	
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	
Strategy	• Interactive lectures • Laboratory demonstrations with anatomical models • Group discussions and tutorials • Student presentations • Online resources and blended learning

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
the first	2	By Week 1, students will identify anatomical terminology and directional planes.	Lecture 1: Introduction to Anatomy – Terminology & Directions	Theoretical and practical	All assessments (quizzes, reports, projects, exams) follow the official university regulations. Re-assessment or make-up exams are only allowed with formal approval.
the second	2	By Week 2, four basic tissues (structure, site, and function).	Lecture 2: four basic tissues (structure, site, and function).	Theoretical and practical	
the third	2	By Week 3, students will describe the structure and function of the digestive system.	Lecture 3: Digestive System – Structure & Functions	Theoretical and practical	
the fourth	2	By Week 4, students will describe the structure and function of the digestive system.	Lecture 4: Digestive System – Structure & Functions	Theoretical and practical	
Fifth	2	By Week 5, students will explain the anatomy of the cardiovascular system.	Lecture 5: Cardiovascular System – Heart & Vessels	Theoretical and practical	
Sixth	2	By Week 6, students will outline the respiratory system and its components.	Lecture 6: Respiratory System – Lungs & Airways	Theoretical and practical	
Seventh	2	By Week 7, students will analyze the central and peripheral nervous systems.	Lecture 7: Nervous System – Brain & Spinal Cord	Theoretical and practical	
Eight	2	By Week 8, students will classify major bones and muscles of the musculoskeletal system.	Lecture 8: Musculoskeletal System – Bones & Muscles	Theoretical and practical	
Ninth	2	By Week 9, students will describe the structure and function of the Lymphatic system	Lecture 9: Lymphatic system, structure & functions	Theoretical and practical	
The tenth	2	By Week 10, students will describe the structure and function of the Endocrine System.	Lecture 10 : Endocrine System, .structure and function.	Theoretical and practical	
Eleventh	2	By Week 11, students will describe the structure and function of the Integumentary System	Lecture 11: Integumentary System, structure and function.	Theoretical and practical	
Twelfth	2	By Week 12, students will describe the structure and function of the Reproductive system	Lecture 12: Reproductive system, structure and function.	Theoretical and practical	
Thirteenth	2	By Week 13, students will describe the structure and function of the Urinary system	Lecture 13: Urinary system, structure and function.	Theoretical and practical	
Fourteenth	2	By Week 14, students will integrate anatomical knowledge with physiological functions.	Lecture 14: Clinical Applications of Anatomy	Theoretical and practical	
Fifteenth	2	By Week 15, students will apply anatomical knowledge to clinical procedures such as injection sites	Lecture 15: Clinical Applications of Anatomy	Theoretical and practical	

Course Evaluation
The course learning outcomes are assessed through an integrated evaluation system that combines continuous assessment throughout the semester with final examinations. The total course grade is **100 marks**, distributed between the practical and theoretical components as follows: **First: Practical Component – 40 Marks** The practical component is allocated **40 marks**, including **15 marks for practical coursework**. These marks are distributed among the practical activities and assessments completed by students throughout the semester, comprising **2 marks for the practical notebook, 4 marks for quizzes (8 quizzes × 0.5 mark each), 1 mark for laboratory activities and participation, 2 marks for research projects and presentations, and 6 marks for monthly practical examinations**. The **final practical examination** is allocated **25 marks**. **Second: Theoretical Component – 60 Marks** The theoretical component is allocated **60 marks**, including **25 marks for theoretical coursework**. These marks are assessed through quizzes, monthly examinations, research projects, presentations, and other approved academic activities related to the course. The **final theoretical examination** is allocated **35 marks**. Accordingly, the total **semester coursework** accounts for **40 marks**, while the **final examinations** account for **60 marks**, resulting in a total course assessment of **100 marks**.

Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Tortora, G.J. & Derrickson, B. Principles of Anatomy and Physiology. 15th Edition. Wiley, 2017.
Main references (sources)	Greys anatomy
Recommended books and references (scientific journals, reports...)	Moore, K.L. Clinically Oriented Anatomy. 8th Edition. Wolters Kluwer, 2018.
Electronic References, Websites	Anatomy.tv / Visible Body

Course Description Form

1.Course Name: General Chemistry
2.Course Code: HMT 111201
3.Semester / Year: first year/ First semester
4.Description Preparation Date: 31/8/2026
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.Number of Credit Hours (Total) / Number of Units (Total)
4 Credit Hours (2 theorical , 2 practical)/ 3 Units
7.Course administrator's name (mention all, if more than one name)
Name: zainab Ali Email: zainab.ali.hadi@alameed.edu.iq Name: zainab Adil Email: zainabadil792@gmail.com

8.Course Objectives	
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	
Strategy	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

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15 weeks	2- theatrical 2- practical		**Theory lecture** 1- Fundamentals of Analytical Chemistry I(Theory lecture) **Introduction of Basic Lab Equipment and General Laboratory Safety Rules. (practice lecture)** 2- Methods of Expression of Concentration I (Theory lecture) **Preparation and standardization of 0.1M Hydrochloric Acid HCl solution. (practice lecture)** 3- Methods of Expression of Concentration II (Theory lecture) **Preparation and Standardization of Approximately 0.1N Sodium Hydroxide NaOH (practice lecture)** 4- Titration and its Types (Theory lecture) **Estimation of Sodium Hydroxide**	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	Quiz + participation case discussion Midterm assessment Final practical/written assessment

			and Sodium Carbonate in a Mixture) (practice lecture) 5- Acid-Base Titration I Theory lecture) **Quantitative Analysis of Oxidation-Reduction (Redox) Reactions (practice lecture)** **6-** Acid-Base Titration I**I** Theory lecture) **Estimation of Ferrous Iron Using Potassium Dichromate(practice lecture)** 7- Midterm Theory Exam 8- Redox Titration (Theory lecture) **Precipitation Titration (Determination of Chloride Ions by Mohr's Method). (practice lecture)** 9- Precipitate Titration I (Theory lecture) **Determination of Chloride in Drinking Water by Mohr's Method (practice lecture)** 10- Precipitate Titration II (Theory lecture) **Determination of Total Hardness of Water Using EDTA (practice lecture)** 11- Complexometric Titration (Theory lecture) **Spectrophotometric**		

			Determination of Potassium Permanganate Concentration Using the Beer–Lambert Law. (practice lecture) 12- Spectrophotometric Analysis & Beer-Lambert Law I (Theory lecture) **Determination of the Maximum Wavelength (λmax) of Potassium Permanganate ($KMnO_4$) Solution (practice lecture)** 13- Spectrophotometric Analysis & Beer-Lambert Law II (Theory lecture) **Preparation and pH Measurement of Buffer Solutions (practice lecture)** 14- Comprehensive Revision (Theory lecture) **Determination of pH by Acid–Base Indicators (practice lecture)** 15- Final Theory Exam		

11.Course Evaluation		
Quizzes		15%
Case-Based Assignments		5%
Oral discussion		5%
Reflective Report		5%
Midterm Examination		30%
Final Examination		40%
Total	100%	

12.Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Skoog, D.A. Fundamentals of Analytical Chemistry. 9th Ed. Cengage Learning, 2014
Main references (sources)	Skoog, D.A. Fundamentals of Analytical Chemistry. 9th Ed. Cengage Learning, 2014
Recommended books and references (scientific journals, reports...)	Christian, G.D. Analytical Chemistry. 7th Ed. Wiley, 2013
Electronic References, Websites	www.chemguide.co.uk

Course Description Form

1.Course Name: Biochemistry
2.Course Code: EMT 121213
3.Semester / Year: first year/ second semester
4.Description Preparation Date: 31/8/2026
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.Number of Credit Hours (Total) / Number of Units (Total)
4 Credit Hours (2 theorical , 2 practical)/ 3 Units
7.Course administrator's name (mention all, if more than one name)
Name: zainab Ali Email: zainab.ali.hadi@alameed.edu.iq Name: zainab Adil Email: zainabadil792@gmail.com

8.Course Objectives	
Course Objectives	• Classify major biomolecules, including carbohydrates, lipids, amino acids, and proteins, based on their chemical structures. • Explain the essential biological functions and physiological roles of macromolecules in the human body. • Describe enzyme characteristics, kinetics, factors affecting catalysis, and their clinical diagnostic significance. • Differentiate between fat-soluble and water-soluble vitamins, highlighting their biochemical roles and deficiency disorders. • Conduct standard biochemical laboratory tests safely to identify unknown carbohydrates, lipids, and proteins. • Correlate altered biochemical pathways and biomolecule concentration levels with clinical symptoms and emergency cases.
9.Teaching and Learning Strategies	

Strategy	8. **Interactive Lectures** 9. **Problem-Based Learning (PBL)** 10. **Case-Based Learning** 11. **Small-Group Discussion** 12. **Practical Laboratory Sessions** 13. **Student Presentations and Seminars** 14. **Formative Assessment and Active Recall**

10.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15 weeks	2- theatrical 2- practical		**Theory lecture** 1-Introduction to Biochemistry And Carbohydrates I(Theory lecture) **General Carbohydrate Tests(practice lecture)** 2- Structure and biological importance of disaccharides and polysaccharides(Theory lecture) **Carbohydrate Differentiation Tests(practice lecture)** 3- Classification of amino acids based on side-chain properties(Theory lecture) **Carbohydrate Differentiation Tests(practice lecture)** 4- Structural organization levels (primary to quaternary) of proteins(Theory lecture) **General Amino Acid and Protein Tests(practice lecture)** 5- classification of proteins(Theory	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	Quiz + participation case discussion Midterm assessment Final practical/written assessment

			lecture) **Specific Amino Acid and Protein Tests(practice lecture)** 6- Midterm Theory Exam 7- Vitamins I(Theory lecture) **Solubility of vitamins(practice lecture)** 8- Biochemical roles of Vitamin B-complex and Vitamin C as coenzymes(Theory lecture) **Performing volumetric titration accurately to estimate Vitamin C (Ascorbic Acid) concentration(practice lecture)** 9- Lipids(Theory lecture) **General Lipid Tests(practice lecture)** 10- Enzymes I(Theory lecture) **Determine enzyme activity(practice lecture)** 11- Factors influencing enzyme activity and their medical diagnostic utility. (Theory lecture) **effect of temperature and PH on enzyme(practice lecture)** 12- Nucleic Acids I(Theory lecture) **Type of nucleic acid(practice lecture)** 13- Classification of RNA molecules and clinical cases(Theory lecture)		

			type of nucleic acid(practice lecture) 14- Reviewing core topics and discussing sample exam questions(Theory lecture) **Oral discussion (practice lecture)** 15- Final Theory Exam		

11. Course Evaluation		
Quizzes	15%	
Case-Based Assignments	5%	
Oral discussion	5%	
Reflective Report	5%	
Midterm Examination	30%	
Final Examination	40%	
Total	100%	

12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Ferrier, D.R. Lippincott Illustrated Reviews: Biochemistry. 7th Ed. Wolters Kluwer, 2017
Main references (sources)	Rodwell, V.W. Harper's Illustrated Biochemistry. 31st Ed. McGraw-Hill, 2018
Recommended books and references (scientific journals, reports...)	Ferrier, D.R. Lippincott Illustrated Reviews: Biochemistry. 7th Ed. Wolters Kluwer, 2017
Electronic References, Websites	www.ncbi.nlm.nih.gov

Course Description Form

1. **Course Name:** Physiology II

2. **Course Code:** EMT1212102

3. **Semester / Year:** 2nd / 2025-2026

4. **Description Preparation Date:**

5. **Available Attendance Forms:** In Person

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

4 hours (2 hrs. Theoretical and 2 hrs. Practical, Lab./week) / 3 Units

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

Name: Assist. Prof. Dr. Hussein A. Al-Ghanimi
Email: hughanimi@alameed.edu.iq

Name: Assist. Lecturer Bashaaer Ali Saqab
Email: bashaaer.a@uokerbala.edu.iq

8. **Course Objectives**

1. **Understand the basic principles of human physiology.**
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**

- 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**

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	1, 2, 3, and 4	Digestive System part 2	Theoretical and practical (Lab.)	

				lectures, … etc.	
2	4	1, 2, 3, and 4	Urinary System part 1	Theoretical and practical (Lab.) lectures, … etc.	Theoretical and
3	4	1, 2, 3, and 4	Urinary System part 2	Theoretical and practical (Lab.) lectures, … etc.	practical (Lab.)
4	4	1, 2, 3, and 4	Body Temperature regulation and control	Theoretical and practical (Lab.) lectures, … etc.	lectures, … etc.
5	4	1, 2, 3, and 4	Muscular System part 1	Theoretical and practical (Lab.) lectures, … etc.	Theoretical and
6	4	1, 2, 3, and 4	Muscular System part 2	Theoretical and practical (Lab.) lectures, … etc.	practical (Lab.)
7	4	1, 2, 3, and 4	Nervous System part 1	Theoretical and practical (Lab.) lectures, … etc.	lectures, … etc.
8	4	1, 2, 3, and 4	Nervous System part 2	Theoretical and practical (Lab.) lectures, … etc.	Theoretical and
9	4	1, 2, 3, and 4	Nervous System part 3	Theoretical and practical (Lab.) lectures, … etc.	practical (Lab.)
10	4	1, 2, 3, and 4	Nervous System part 4	Theoretical and practical (Lab.) lectures, … etc.	lectures, … etc.
11	4	1, 2, 3, and 4	Nervous System part 5	Theoretical and practical (Lab.) lectures, … etc.	Theoretical and
12	4	1, 2, 3, and 4	Endocrine System (Hormones and their types & functions)	Theoretical and practical (Lab.) lectures, … etc.	practical (Lab.)
13	4	1, 2, 3, and 4	Reproductive System (Male reproductive system)	Theoretical and practical (Lab.) lectures, … etc.	lectures, … etc.
14	4	1, 2, 3, and 4	Reproductive System (Female reproductive system)	Theoretical and practical (Lab.) lectures, … etc.	Theoretical and
15	4	1, 2, 3, and 4	Special senses	Theoretical and practical (Lab.) lectures, … etc.	practical (Lab.)

11. Course Evaluation	
• Formative (Quizzes, Assignments, Reports, …etc.), score out of 40. • Summative (Midterm and final examinations), score out of 60.	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	• 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.
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	• 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

Course Description Form

1.Course Name:
Professional Ethics
2.Course Code:
EMT1111003
3.Semester / Year:
First Semester / First Year
4.Description Preparation Date:
25/8/2026
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.Number of Credit Hours (Total) / Number of Units (Total)
2 Credit Hours / 2 Units
7.Course administrator's name (mention all, if more than one name)
Name: Dr. Ali Hamad Abd Kelkawi Email: Ali.Kelkawi@alameed.edu.iq

8.Course Objectives

Course Objectives	1. Students will explore the historical development of ethical codes in medicine 2. Learn about key principles and values in the code of professional ethics 3. Understand the importance of confidentiality, privacy, informed consent, and patient rights in healthcare settings 4. Analyze conflicts of interest 5. Develop skills in ethical decision-making 6. Explore cultural competence and diversity in healthcare practice 7. Address ethical issues in research and innovation 8. Emphasize the significance of continuing education and professional development 9. Discuss technology ethics in healthcare Consider future trends and challenges in professional ethics.

9.Teaching and Learning Strategies

Strategy	15. **Interactive Lectures** 16. **Problem-Based Learning (PBL)** 17. **Case-Based Learning** 18. **Small-Group Discussion** 19. **Practical Laboratory Sessions** 20. **Microscopy and Histological Observation** 21. **Anatomical Models and Visual Learning** 22. **Student Presentations and Seminars** 23. **Formative Assessment and Active Recall** 24. **Blended and Digital Learning**

10.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
14 wee	2 hrs.		Theory Lectures • Introduction to Professional Ethics in Applied Medical Science (2 hrs) 1. Definition of professional ethics 2. Importance of ethical standards in the field of applied medical science • Historical Development of Ethical Codes in Medicine (2 hrs) 3. Evolution of ethical guidelines in healthcare professions 4. Key milestones in the development of codes of ethics for medical practitioners • Principles and Values in the Code of	Interactive lecture + discussion Lecture + microscopy/pra tical activit	Quiz + participation case discussion Midterm assessment Final practical/written assessment

			Professional Ethics (2 hrs) 5. Core principles such as beneficence, non-maleficence, autonomy, and justice 6. Ethical values that guide decision-making in applied medical science • Informed Consent and Patient Rights (2 hrs) 7. Definition and significance of informed consent in medical practice 8. Ethical considerations regarding patient autonomy and decision-making capacity Challenges and best practices fo obtaining valid informed consen from patients Confidentiality and Privacy in Healthcare (2 hrs) • Importance of maintaining patient confidentiality and privacy • Legal and ethical considerations related to patient information release • Strategies for protection patient data in compliance with ethical standards Professional Boundaries and Relationships with Patients (2 hrs) • Understanding boundaries between healthcare professionals and patients • Guidelines for establishing healthy		

			professional relationships with patients Conflict of Interest (2 hrs) • Definition and types of conflicts of interest in medical settings • Ethical implications of conflicts of interest on patient care Ethical Decision-Making in Applied Medical Science (2 hrs) • Steps involved in ethical decision-making process • Case studies illustrating ethical dilemmas faced by professionals in applied medical science Cultural Competence and Diversity in Healthcare Practice (2 hrs) • Importance of cultural competence in providing quality healthcare services • Strategies for promoting diversity and inclusivity in healthcare settings Ethical Issues in Research and Innovation (2 hrs) • Ethical considerations when conducting research or implementing innovative practices • Guidelines for ensuring ethical conduct throughout the research process Continuing Education and Professional Development (2 hrs)		

			• Ethical considerations when conducting research or implementing innovative practices • Guidelines for ensuring ethical conduct throughout the research process Technology Ethics in Healthcare (2 hrs) • Ethical implications of using technology in medical practice • Balancing technological advancements with ethical responsibilities towards patients Peer Review and Self-Assessment (2 hrs) • Role of peer review processes in maintaining ethical standards • Benefits of self-assessment for professionals to reflect on their ethical practices Future Trends and Challenges in Professional Ethics (2 hrs) • Emerging ethical issues facing professionals in applied medical science • Strategies for addressing future challenges while upholding ethical standards		
11.Course Evaluation					

Quizzes	10%
Case-Based Assignments	10%
Student Presentation / Seminar	5%
Reflective Report	5%
Midterm Examination	20%
Ethical Case Analysis Project	10%
Final Examination	40%
Total	100%

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	Beauchamp, T. L., & Childress, J. F. Principles of Biomedical Ethics. Oxford University Press. Gillon, R. Medical Ethics: Four Principles P Attention to Scope. BMJ.
Main references (sources)	• **Oxford Handbook of Clinical Ethics. Oxford University Press.** • **Principles of Biomedical Ethics – Beauchamp & Childress.** • **Medical Ethics and Law: A Practical Guide to the Healthcare Professional.** • Peer-reviewed literature in **medical ethics, healthcare professionalism and bioethics**.
Recommended books and references (scientific journals, reports…)	• **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.**
Electronic References, Websites	• **World Medical Association (WMA)** • **World Health Organization (WHO)** • **UNESCO – Bioethics** • **National Institutes of Health (NIH)** • **National Center for Biotechnology Information (NCBI)** • **International Council of Nurses (ICN)**

Course Description Form

1.Course Name: Medical Terminology 1	
Medical Terminology 1	
2.Course Code:	
CCT1211004 (Heart Care) and EMT1211004 (Emergency)	
3.Semester / Year:	
Second/2026	
4.Description Preparation Date:	
24/8/2026	
5.Available Attendance Forms:	
Yes	
6.Number of Credit Hours (Total) / Number of Units (Total)	
15 ours/15 Units	
7.Course administrator's name (mention all, if more than one name)	
Name: Prof. Dr. Abdul-Hameed Khalid Khadhair Email: abdul-hameed@alameed.edu.iq	
8.Course Objectives	
Course Objectives	• **Teaching students the basic component of the medical term.** • **Learning the Importance of the medical term in fields of medicines an 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	
Strategy	- 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 Learning	Unit or subject name	Learning method	Evaluation method
1st	1	Introduction on the medical term, Latin and English names Medical Terminology	Medical Terminology	Theoretical lecture	Short and midterm Exams
2nd	1	Medical term components: importance and applications of medical terms	Medical Terminology	Theoretical lecture	Short and midterm Exams
3rd	1	Medical term components: word root	Medical Terminology	Theoretical lecture	Short and midterm Exams
4th	1	Medical term components: Prefixes	Medical Terminology	Theoretical lecture	Short and midterm Exams
5th	1	Medical term components: Combining form	Medical Terminology	Theoretical lecture	Short and midterm Exams
6th	1	Medical term components: Suffixes	Medical Terminology	Theoretical lecture	Short and midterm Exams
7th	1	Medical term components: exceptional terms	Medical Terminology	Theoretical lecture	Short and midterm Exams
8th	1	Biological System: Integumentary and medical terms	Medical Terminology	Theoretical lecture	Short and midterm Exams
9th	1	Biological System: Muscular– Skeletal and medical terms	Medical Terminology	Theoretical lecture	Short and midterm Exams

10th	1	Types of tissues and muscles and medical terms	Medical Terminology	Theoretical lecture	Short and midterm Exams
11th	1	Bones and medical terms	Medical Terminology	Theoretical lecture	Short and midterm Exams
12th	1	Trauma during accidents and medical terms	Medical Terminology	Theoretical lecture	Short and midterm Exams
13th	1	Cardio-vascular system and medical terms	Medical Terminology	Theoretical lecture	Short and midterm Exams
14th	1	Vessels and arteries and medical terms	Medical Terminology	Theoretical lecture	Short and midterm Exams
15th	1	Commonly medical terms used in health sciencs	Medical Terminology	Theoretical lecture	Short and midterm Exams

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

12.Learning and Teaching Resources	
Required textbooks (curricular books, if any)	David Ellen, Medical Terminology: A Sh course, 8th Edition by 2018.
Main references (sources)	Linda Stanhop, Introduction to Medi Terminology, 1st Edition 2016
Recommended books and references (scientific journals, reports...)	Edward CC: A Short Course in Medi Terminology 1st Edition.
Electronic References, Websites	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

Course Description Form

1.Course Name:
Human Biology
2.Course Code:
HMT1212005
3.Semester / Year:
Secound Semester / First Year
4.Description Preparation Date:
25/8/2026
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.Number of Credit Hours (Total) / Number of Units (Total)
3 Credit Hours / 3 Units
7.Course administrator's name (mention all, if more than one name)
Name: Dr. Ali Hamad Abd Kelkawi Email: Ali.Kelkawi@alameed.edu.iq

8.Course Objectives	
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 Microbiology and Histology Laboratory Procedures

9.Teaching and Learning Strategies	
Strategy	25. **Interactive Lectures** 26. **Problem-Based Learning (PBL)** 27. **Case-Based Learning** 28. **Small-Group Discussion** 29. **Practical Laboratory Sessions** 30. **Microscopy and Histological Observation** 31. **Anatomical Models and Visual Learning**

	32. **Student Presentations and Seminars** 33. **Formative Assessment and Active Recall** 34. **Blended and Digital Learning**

10.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15 wee	2 hrs.		**1. Introduction of Biology** **[2 hrs.]** * Definition and branches of biology * Characteristics of living organisms * Levels of biological organization * Branches of biology **2. Chemistry of life and the nature of biological molecules** **[2 hrs.]** • Elements essential to life Macromolecules: carbohydrates, lipids, proteins, nucleic acids • Structure and function of eachmacromolecule **3. Cell Structure** **[2 hrs.]** * Definition and Characteristics of cell * Prokaryotic vs. eukaryotic cells * Structure and functions of organelles: nucleus, mitochondria, ER, Golgi, lysosomes, ribosomes, etc. * Cell aging and Stem cell **4. The Cytoplasmic Membrane** **[2 hrs.]** * Structure: phospholipid bilayer, proteins, cholesterol * Fluid mosaic model * Functions of lipid and proteins in cell membrane * Functions of cell membrane	Interactive lecture + discussion Lecture + microscopy/ practical activity	Quiz + participation case discussion Midterm assessment Final practical/written assessment

			5. Nucleic Acids in Cells: Structure, Types, and Functions **[2 hrs.]** * Types of Nucleic Acids *Structure of Nucleic Acids)DNA and RNA(*The central dogma of biology * Functions of DNA and RNA **6. The Cell Cycle and Cell Division** **[2 hrs.]** * 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 **7. Midterm Exam** **[1 hrs.]** * Covers content from Lectures 1–6 * May include multiple-choice, short-answer, labeling diagrams, and practical lab components **8. Bacteria: Types and Structure** **[2 hrs.]** * Classification by shape (cocci, bacilli, spirilla) * Gram-positive vs. Gram-negative bacteria * Bacterial structure: cell wall, capsule, pili, flagella * Bacterial reproduction (binary fission) * Beneficial and harmful bacteria **9. Viruses in humans: Types, Structure, and Diseases** **[2 hrs.]** * 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 antiviral treatments **10. Fungi: Classification, Structure, and Diseases** **[2 hrs.]** * 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 foot, candidiasis) **11. Parasites: classification, structure and pathogenesis** ***Introduction to Basic Concepts & Terminology** *** Classification of Medically Important Parasites** *** Transmission Dynamics & Life Cyc** **12. Introduction to Animal Tissues and Epithelial Tissue** **[2 hrs.]** * Definition of tissue * Classification of animal tissues * Types of epithelial tissues: squamous, cuboidal, columnar * Structure, location, and function of each epithelial type **13. Nervous Tissue: Components and Functions** **[2 hrs.]** * Neurons: structure and types * Neuroglia: types and roles * Functions of nervous tissue * Signal transmission basics **14. Connective Tissue: Types and Functions** **[2 hrs.]** * Characteristics and components (cells, fibers, matrix) * Types: loose, dense, cartilage, bone, blood * Functions: support, transport, defense, storage * Specialized connective tissues **15. Muscle Tissue: Types and Work Mechanics** **[2 hrs.]** * Types: skeletal, cardiac, smooth * Microscopic structure of muscle fibers * Mechanism of muscle contraction * Voluntary vs. involuntary muscle functions		

11.Course Evaluation

The final course grade is distributed as follows: quizzes and formative assessment 10%; practical laboratory assessment 15%; assignments and case-based activities 10%; midterm written examination 20%; midterm practical examination 10%; final written examination 25%; and final practical examination 10%. Total = 100%.

12.Learning and Teaching Resources

Required textbooks (curricular books any)	**1. Marieb, E. N., & Hoehn, K. M. Human Anatomy & Physiology. Pearson.** **2. OpenStax. Anatomy and Physiology. Rice University.**
Main references (sources)	
Recommended books and references (scientific journals, reports…)	• **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.**
Electronic References, Websites	• **Stanford University – Human Biology** • **University of Oxford – Institute of Human Sciences** • **OpenStax – Anatomy and Physiology** • **National Center for Biotechnology Information (NCBI)** • **Khan Academy – Biology**

Course Description Form

1.Course Name:
Computer I
2.Course Code:
UOA113
3.Semester / Year:
first Semester / First Year
4.Description Preparation Date:
25/8/2026
5.Available Attendance Forms:
Forms: In-person attendance theoretical lectures and practical applications in the computer lab

6.Number of Credit Hours (Total) / Number of Units (Total)	
60/45	
7.Course administrator's name (mention all, if more than one name)	
Name: Dr. Wisam Kareem Meteab Email: wisammeteab@alameed.edu.	
8.Course Objectives	
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 fundamentals of information security**
9.Teaching and Learning Strategies	
Strategy	Participatory lectures, practical explanations, laboratory practices, individ and team exercises

10.Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15 wee	60 hrs.	**Understanding basic computer concepts, operating systems, file organization, composing documents, making tables and presentations, resolving software and hardware difficulties, and electronic communication.**	**Computer basics, operating system, file management, Word, Excel, PowerPoint, Internet, Computer Troubleshootig**	**Lecture + Practical Lab + Exercises and Application.**	**Daily exams, Questions with the lecture, & Laboratory evaluation**

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. اسم المقرر	
اللغة العربية	
2. رمز المقرر	
UOA 111	
3. الفصل / السنة	
المرحلة الأولى /الكورس الاول	
4. تاريخ اعداد هذا الوصف	
2025/28/9	
5. اشكال الحضور المتاحة	
التعليم الشخصي (حضورياً)	
6. عدد الساعات والوحدات الدراسية الكلي	
2 نظري (ساعتان أسبوعياً)، عدد الساعات المعتمدة (2)	
7. اسم مسؤول المقرر	
الاسم	الايميل
رامي محمد جواد	رامي محمد جواد
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 في 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	2	-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	2	-1 يعرفوا الحرف. -2 يحددوا الحرف. -3 يميزوا بين المبني والمعرب.	الحـــرف	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
3	2	التعرف على ما يُكتب بالضاد والظاء.	ما يُكتب بالضاد والظاء.	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
4	2	التعرف على الأخطاء الشائعة في اللغة	الأخطاء الشائعة في اللغة	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
5	Mid-term exam. No 1				
6	2	التعرف على النواسخ في العربية	النواسخ في العربية	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
7	2	التعرف على المبني والمعرب	المبني والمعرب	محاضرات نظرية.	- امتحانات يومية. - اسالة داخل المحاضرة.
8	2	-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	2	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	2	-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	2	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	2	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	2	-1يعرف 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	2	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)100-90(- 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%
total)100%(	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.				

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- الآليات 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 .

. 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

مصادر التعلم12:

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