

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



Academic Program and Course Description Guide

1st stage Computer 2025-2026

Academic Program Description Form

University Name: University of Al-Qadisiyah

Faculty/Institute: College of medicine

Scientific Department:

Academic or Professional Program Name: General Medicine and Surgery

Final Certificate Name: Bachelor's degree in General Medicine and Surgery

Academic System: Annual year / 2 semester

Description Preparation Date: 10/9 /2025

File Completion Date: 16/9/2025

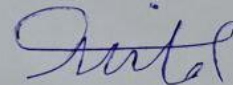
Signature:



Head of Department Name:

Prof Dr.Nael Mohammed

Signature:



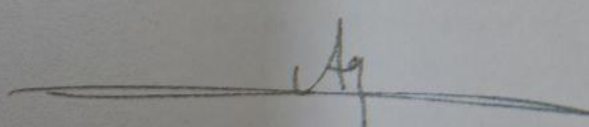
Scientific Associate Name:

Prof. Dr. Nael Mohammed

The file is checked by: Prof Dr. Anwar jassib
Department of Quality Assurance and University Performance
Director of the Quality Assurance and University Performance
Department:

Signature:




Approval of the Dean

1. Program Vision

The vision of teaching computer science in medical colleges is to provide students with the knowledge and technical skills necessary to use modern technology to improve the quality of health care. This education aims to prepare doctors capable of integrating advanced computer tools and software into their medical practices, which facilitates diagnosis and treatment and enhances the efficiency of health services.

2. Program Mission

Enhancing technical understanding and enabling students to understand how computers are used in various aspects of medicine, including managing medical data, analyzing information, and using software for diagnosis and treatment.

3. Program Objectives

It aims to introduce students to the components of computer systems and how they work, and to provide basic concepts about software used in the medical field

4. Program Accreditation

national accreditation for medical colleges

5. Other external influences

Advances in medical science and technology , requiring regular curriculum updates

6. Program Structure				
Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	2	Total hour in annual year semester I and II 60h (30h theory and 30h practical)		Basic
College Requirements	2	Total hour in annual year semester I and II 60h (30h theory and 30h practical)		Basic
Department Requirements	2	Total hour in annual year semester I and II 60h (30h theory and 30h practical)		Basic
Summer Training	Not found			

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
1 st year	COM 1205	Computer	theoretical	Practical
			Total hour in annual year semester I and II 30h theory	Total hour annual in semester I and II 30h theory

8. Expected learning outcomes of the program	
Knowledge	
	<p>Knowledge of computer concepts: Students are able to learn about the basic concepts of the computer, including system components, software, and networks.</p> <p>-Basics of artificial intelligence by gaining comprehensive knowledge about the principles of artificial intelligence, including machine learning, deep learning, and data processing.</p>
Skills	
	<p>- Using medical software by gaining the ability to use specialized software in managing medical data, such as electronic health record systems.</p> <p>-- Developing students' abilities to keep pace with technological development in the field of health care</p>
Ethics	
	Strengthening the principle of lifelong learning in order to continue developing the profession

9. Teaching and Learning Strategies

- The method of lecture and the use of the smart board
 - Readings, self-learning, panel discussions.
 - Exercises and activities in the classroom.
 - Guide students to some websites to benefit from them to develop abilities.
- Ask the students a set of thinking questions during the lectures such as what, how, when and why

10. Evaluation methods

-Theory

. Written Examination

- practical

- Small group with computer examination

-

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Ass. lecturer	Computers	Information technology			1	

Professional Development

Mentoring new faculty members

processes and activities designed to enhance the professional knowledge, skills, and attitudes of educators so that they might, in turn, improve the learning of students.

Professional development of faculty members

creating or sustaining a culture of teaching excellence; advancing new initiatives in teaching and learning; and supporting individual faculty members' goals for professional development.

12. Acceptance Criterion

According to the student's central acceptance rate

13. The most important sources of information about the program

- 1- **Graham Brown ,David Watson , "Cambridge IGCSE Information and Communication Technology " 3rd Edition (2020).**
- 2- **Alan Evans ,Kendal Martin ,Mary Anne Poatsy,"Technology in Action Complete"**
- 3- **Ahmed Banafa,"Introduction to Artificial Intelligence(AI)",1stEdition (2024).**
- 4- الدكتور عادل عبدالنور "مدخل الى عالم الذكاء الاصطناعي" ٢٠٠٥
- 5- الخضر علي الخضر بحاث " اساسيات الحاسوب " ٢٠١٦

14. Program Development Plan

A structured program developed plan was prepared to strengthen the medical curriculum and enhanced the overall quality of undergraduate education

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
1st year	COM 1205	computer	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

Course Description Form

1. Course Name:	
Computer	
2. Course Code:	
COM 1205	
3. Semester I,II / annual year	
Year: 1 st year and annual assessment	
4. Description Preparation	
Date:10/9/2025	
5. Available Attendance Forms:	
Official working hours	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 h for (30 h for theory and 30 h for practical)/ 3 unit total	
7. Course administrator's name (mention all, if more than one name)	
Name: Anass Yousif Abass Email: anass.alkhalidi@qu.edu.iq	
8. Course Objectives	
9.	
Course Objectives	<ul style="list-style-type: none"> • Knowledge of basic computer concepts and programs used in the medical field • Use software tools to manage electronic health records • Evaluate the ethical issues associated with the use of technology in health care
10. Teaching and Learning Strategies	
Strategy	<ul style="list-style-type: none"> • Manage the lecture in a way that feels the importance of time. • The method of lecture and the use of the smart board • Readings, self-learning, discussion panels. • Exercises and activities in the classroom. • Guiding students to some websites to benefit from them to develop capabilities. • Asking students a set of thinking questions during the lectures such as what, how, when and why for specific topics • Sudden daily and weekly continuous tests. • Allocate a percentage of the class for group activities.
11. Course Evaluation	
<p>The method of lecture and the use of the smart board</p> <p>Readings, self-learning, panel discussions.</p> <p>Exercises and activities in the classroom.</p> <p>- Guide students to some websites to benefit from them to develop abilities.</p> <p>Ask the students a set of thinking questions during the lectures such as what, how, when and why</p>	

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1-Graham Brown ,David Watson , "Cambridge IGCSE Information and Communication Technology " 3rd Edition (2020). 2-Alan Evans ,Kendal Martin ,Mary Anne Poatsy, "Technology in Action Complete" 3- Ahmed Banafa, "Introduction to Artificial Intelligence(AI)", 1st Edition (2024). 4- الدكتور عادل عبدالنور "مدخل الى عالم الذكاء الاصطناعي ٢٠٠٥" 5- الخضر علي الخضر بحاث " اساسيات الحاسوب " ٢٠١٦
	Recommended books and references
	Electronic References, Websites

1ST and 2nd semester content

No.	No. of Weeks	Theoretical Hours : 1 hours per week		
		Theory Lecture Topics	No. of Hours Theoretical	No. of hours Practical
1	1st week	Computer fundamental computer generation	1	1
2	2nd week	Computer fundamental computer generation	1	1
3	3rd week	Computer fundamental computer Parts	1	1
4	4th week	Computer fundamental computer Parts	1	1
5	5th week	Computer fundamental computer hard ware and soft ware	1	1
6	6th week	Computer fundamental computer hard ware and soft ware	1	1
7	7th week	Computer fundamental start shutdown computer	1	1
8	8th week	Computer fundamental start shutdown computer	1	1
9	9th week	Computer fundamental application of computer	1	1
10	10th week	Computer fundamental application of computer	1	1
11	11th week	Hardware monitor printer hard disk drive ..	1	1
12	12th week	Hardware monitor printer hard disk drive ..	1	1
13	13th week	Software application software system software	1	1
14	14th week	Software application software system software	1	1
15	15th week	Input device keyboard scanner pen	1	1
16	16th week	Input device keyboard scanner pen	1	1
17	17th week	Output device speaker monitor printer	1	1
18	18th week	Output device speaker monitor printer	1	1
19	19th week	Basic introduction of Microsoft office pack	1	1
20	20th week	Basic introduction of Microsoft office pack	1	1
21	21st week	Computer threats malware	1	1
22	22nd week	Computer threats malware	1	1
23	23rd week	MS PowerPoint introduction	1	1
24	24th week	MS PowerPoint introduction	1	1
25	25th week	MS PowerPoint where to use	1	1
26	26th week	MS PowerPoint where to use	1	1
27	27th week	MS PowerPoint how to make first presentation	1	1
28	28th week	MS PowerPoint how to make first presentation	1	1
29	29th week	MS PowerPoint how to made presentation with many slides and animation	1	1
30	30th week	MS PowerPoint how to made presentation with many slides and animation	1	1

Examinations description:

Examination	Description
1-Continuous progress test (CPT)	oral examination, quizzes , Short answered questions, and skills assessment , log book activity , Case report ,homework activity
2- Mid theory exam for each semester	Short answered questions, M.C.Qs. and case presentation with short answer and matching according bloom and blue print
3- Half year theory exam	M.C.Qs. or direct question , according bloom and blue print
4-Final year theory exam	M.C.Qs. or direct question , according bloom and blue print
5- Final Practical exam for semester I,II	prescription writing , M.C.Q , according bloom and blue print

The minimum passing grades (Faculty bylaws) is 50 marks.

Re-sit Examinations :- Students who fail in a in the annual year assessment will be required to re-sit (second sitting) the Final examination (theory and practical exam) .