

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

4th stage Research Project 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

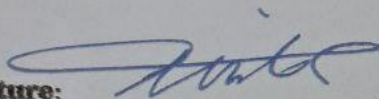
Final Certificate Name: Bachelor's degree in General Medicine and Surgery

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. Ali albrakeem

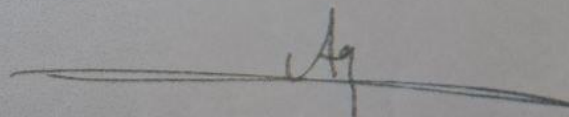
The file is checked by: Prof Dr. Anwar jassib

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance

Department:

Signature:



Approval of the Dean

1. Program Vision

Seeking to make the College of Medicine in Al-Qadisiyah University a distinguished college among the medical colleges in Iraq in the field of medical education. Additionally, to make it has a clear imprint in promoting the health field in the Iraqi community and works to provide distinctive proposals and views for basic and clinical medical sciences to ensure meeting the health needs of the community at the local and national levels..

2. Program Mission

Al Qadisiyah medical college aims at producing medical doctors that are able to participate effectively in the health care delivery system whether in Iraq or any other country
The curriculum is designed to provide students with the necessary knowledge, skills and attitudes in order to function as safe doctors and have the baseline for lifelong learning in the medical field in the future
The teaching methods are guided by learning objectives that ensure delivering basic biomedical, behavioral and social and clinical subjects which help creating an efficient junior doctor who is competent, motivated and professional.
It is a well-established strategy that students are heard and welcomed to provide feedback about different aspects of the learning process and they are considered as an essential part in the decision making in the college used for continuous planning for improvement of the whole institution.

3. Program Objectives

Graduating distinguished doctors and rehabilitating them scientifically, professionally and ethically so that they can provide health and medical care to individuals, families and society on sound scientific bases and in accordance with the noble moral, social and humanitarian values with great interest in primary health care
- Developing curricula, teaching aids and methods to improve quality based on international quality standards and academic accreditation
- Achieving accreditation through the institutional capacity standards of the college. Achieving academic accreditation standards for student and graduate programs offered by the college
Continuous support for distinguished cadres of faculty members through an academic environment that encourages production and creativity
θ Continuous development of the scientific research system to identify and diagnose major health problems in the community, propose appropriate scientific solutions to them, and keep pace with development in basic and clinical medical sciences.

4. Program Accreditation

An application has been made for 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 semester	Credit hours	Percentage	Reviews*
Institution Requirements	2	Total hours for annual year semester I ,II 90 h (30 h theory and 60 h clinical session)		Basic
College Requirements	2	Total hours for annual year semester I ,II , 90 h (30 h theory and 60 h clinical session)		Basic
Department Requirements	2	Total hours for annual year semester I ,II , 90 h (30 h theory and 60 h clinical session)		Basic
Summer Training	Not found			
Other	Basic course			

* This can include notes whether the course is basic or optional.

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
4 th	RPR 4208	Research project	theoretical	practical
			30 h for annual year semester I ,II	60 h for annual year semester I ,II for each group clinical session

8. Expected learning outcomes of the program

Knowledge

- By the end of this module, students will be able to:
1. Identify and formulate a relevant medical research question
 2. Design an appropriate research methodology
 3. Apply ethical principles in medical research
 4. Collect, manage, and analyze research data
 5. Interpret research results critically
 6. Write a structured scientific research report
 7. Present and defend research findings effectively

Skills

- 1-Identify research problems relevant to medical practice.
- 2-Formulate clear research objectives and hypotheses.
- 3-Select appropriate study designs.
- 4-Choose suitable sampling techniques.
- 5-Design questionnaires and data collection tools.
- 6-Collect reliable and valid data.
- 7-Calculate and interpret mean, median, standard deviation.
- 8-Apply basic statistical tests (t-test, chi-square, ANOVA).
- 9-Use correlation and regression appropriately.
- 10-Interpret p-values, confidence intervals, and results.
- 11-Draw valid conclusions from data.
- 12-Apply evidence-based medicine in practice.

Attitude

- 1-Apply ethical principles and obtain informed consent.
- 2-Maintain confidentiality and research integrity.
- 3-Follow Good Clinical Practice (GCP) guidelines.

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

- Proposal evaluation
- Small group discussion , data analysis
- seminars , power point presentation

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Prof	MB.Ch.B	PhD family medicine			1	
Ass.prof	MB.Ch.B	FICMS community medicine			1	
Lecturer	MB.Ch.B	FICMS community medicine			2	
Lecturer	MB.Ch.B	FICMS family medicine			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. Program Development Plan

1. Focusing mainly on making research project lectures more interactive by asking the fundamental questions in research project “how & why “
2. Reliance on clinical tutors; we recruit recent medical graduates for small groups in teaching lab
3. Focusing more on Sample questions: that should be posted weekly based on the learning objectives for the week for the students to study by themselves.

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
4 th year	RPR 4208	Research project	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

Course Description Form

1. Course Name:	
Research project	
2. Course Code:	
RPR 4208	
3. Semester /	
Annual year semester I ,II / 4 th year	
4. Description Preparation	
Date:10/9/2025	
5. Available Attendance Forms:	
Official working hours	
6. Number of Credit Hours (Total) / Number of Units (Total)	
90 h for annual year semester I,II (30 h theory and 60 h for clinical session) / 4 UNIT total	
7. Course administrator's name (mention all, if more than one name)	
Name: ahmed kathum Email	
8. Course Objectives	
Course Objectives	<ol style="list-style-type: none"> 1-To develop scientific thinking for solving medical and health-related problems. 2. To enable formulation of research questions and hypotheses relevant to medical practice. 3. To familiarize students with appropriate study designs and research methods. 4. To train students in systematic data collection, organization, and management. 5. To introduce basic biostatistical concepts and tools for analyzing medical data. 6. To enable correct interpretation of statistical results and research findings. 7. To identify bias, error, and confounding factors in medical research. 8. To promote ethical conduct of research, including informed consent and patient safety. 9. To develop skills in research reporting and scientific writing. 10. To encourage evidence-based medical practice through critical appraisal of research.
9. Teaching and Learning Strategies	
	<p>Interactive lectures</p> <ul style="list-style-type: none"> • Small group workshops • Supervised research meetings • Self-directed learning
10. Course Evaluation	
<p>The method of lecture and the use of the smart board Readings, self-learning, panel discussions. - 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</p>	

11. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Access to medical databases (PubMed, Google Scholar) <ul style="list-style-type: none"> • Statistical software (SPSS) • Microsoft Excel • Institutional research ethics guidelines
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Websites
Electronic References, Websites	

Module Description

This module is designed to provide undergraduate medical students with fundamental knowledge and practical skills in medical research. Students will learn how to identify a research problem, design an appropriate study, collect and analyze data, and present their findings in a scientific format. The module supports evidence-based medical practice and encourages critical thinking and lifelong learning.

Module Aims

- Develop students' understanding of medical research principles
- Enhance skills in research methodology and data analysis
- Promote ethical conduct in medical research
- Improve scientific writing and presentation skills

Module Content / Weekly Plan

Weeks 1–2: Introduction to medical research, research ethics, topic selection
Weeks 3–4: Literature review, research questions, objectives, and hypothesis formulation
Weeks 5–6: Study design, sampling methods, and ethical approval procedures
Weeks 7–8: Data collection tools, pilot study, and field work
Weeks 9–10: Data entry and management using Microsoft Excel
Weeks 11–15: Basic biostatistics and data analysis using SPSS
Weeks 16–20: Results presentation, tables, figures, and interpretation
Weeks 21–25: Discussion, conclusion, recommendations, and referencing
Weeks 26–28: Final report submission and revision
Weeks 29–30: Oral presentation and research defense

Assessment Methods

- Research proposal evaluation , Supervisor assessment and progress evaluation (40%)
- According to checklist forma for assessment of research report :-

- 1-Final written research report (30%)
- 2- Oral presentation and defense (30%)

Assessment Requirements

Students must submit an approved research proposal, complete the research project, submit a final written report, and successfully pass the oral defense.

Graduation Requirement

Successful completion of this module is mandatory for graduation and contributes 4 credit toward the MBChB degree.

Degree Awarded

Bachelor of Medicine and Bachelor of Surgery (MBChB)

