

**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 Surgery 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. Adel Shaker

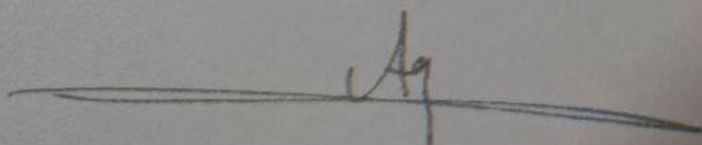
The file is checked by: Prof Dr. Anwar jassib

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance

Department:

Signature:



Approval of the Dean



1. Program Vision

Raise awareness about the importance of medical health and the effects of medical morbidity on patients

2. Program Mission

To improve student's knowledge and abilities regarding the field of internal medicine so as to develop the health care services provided by them as future doctors and to implant an empathetic view of medically ill patients to treat them equally as any other patients in need of care

3. Program Objectives

- 1- Introduce students to the concept of medical illness, how to diagnose and treat
- 2- Raise awareness about the heavy burden of medical illness on society
- 3- Correct common misconceptions regarding internal medicine
- 4- Improve students abilities to interact with different patients

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 semesters	Credit hours	Percentage	Reviews*
Institution Requirements	2	Total 150 h for annual year semester I,II 90h theory and 60 h for each group Clinical session		Basic
College Requirements	2	Total 150 h for annual year semester I,II 90h theory and 60 h for each group Clinical session		Basic
Department Requirements	2	Total 150 h for annual year semester I,II 90h theory and 60 h for each group Clinical session		Basic
Summer Training	Yes	Summer emergency training		
Other	No			

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
4 th	GSU 4204	General surgery	theoretical	practical
			90 h for annual year semester I,II	Each group 7wks + 2d 60 h for each group clinical session

Course Description Form

1. Course Name:
General surgery
2. Course Code:
GSU 4204
3. Year:
Annual year , 2 semester for 4 TH stage
4. Description Preparation Date:
10/9/2025
5. Available Attendance Forms:
Attendance sheet
6. Number of Credit Hours (Total 120h) / Number of Units (Total 12)
Total 150h (90h theory for annual year semester I,II , 60h for each group clinical session) / 8 unit total
7. Course administrator's name (mention all, if more than one name)
Name: adel shaker Email:

8. Teaching and Learning Strategies

Theoretical lectures

Clinical sessions

Tutorials and seminars

EBM

9. Evaluation methods

Theoretical exams , formative and summative

Clinical exams , history taking , physical exam , OSCE

Logbook and skills assessment

1. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
5 prof	MBChB	Medicine				
2 Ass.prof	MBChB	Medicine				
2 Lecturer	MBChB	Medicine				

**THE ACADEMIC DEPARTMENT OF GENERAL SURGERY
AL-QADISIYAH MEDICAL COLLAGE
Four year of MBCHB program**

Course Specifications

Course title: general surgery 4th years students

Code: GSU 4204

A) Basic Information:

Allocated marks: 100 marks.

Course duration :30 weeks (theory) , 7 wks + 2d for each group (4group)

Teaching hours for each group: the total hours is 150h , 90 hours (theory) 60 hours

Attendance / Absence

Students are required by university regulations to be present during daytime from 8 a.m. till 10 a.m. for outpatient clinics attendance . Student attendance is compulsory.

This means that you are required to attend all:

- Clinical teaching sessions
- Formative assessment and review sessions

Students who fail to attend for any reason is instructed to notify the secretary and give the reason why he/she was unable to attend.

Failure of students to attend (unauthorized absence) for 10% of total weeks is subjected to disciplinary actions (from alarming him till review with MEU committee / head / deputy dean and if absence reached 15% the student is subjected to further disciplinary action. This ranges from a meeting with the year coordinator to (in the worst cases) referral to deanery with a view to expulsion.

1. Course duration: 7wks +2d weeks of teaching for each group of four year MBCHB program (4 groups , each group contains = 60 students and each group further

subdivided into two subgroups which =20 students) in form of 2 hours daily , for 4 days per a week (from 8:00 AM to 10:00 AM) followed by end term examination .

2. Final courses examination done at the end of clinical course.
3. Total teaching hours 30h.

B. AIMS OF THE COURSE:

To provide the student with the knowledge, and skills which enable him/her to identify, analyze, manage and/or refer clinical surgical problems in order to provide efficient, cost effective and humane patient care.

C. Program Objectives

To provide the student with an appropriate background covering the common and/ or important surgical emergencies.

To enable the student to detect cancer at an early stage.

To enable the development and application of appropriate professional attitudes, ethical principles and

D. Knowledge and understanding.

On successful completion of the course, the student should be able to:

- 1- Describe the anatomy of surgically-important regions, organs and structures of the body.
- 2- Describe the etiology, pathogenesis and pathology of important and/ or common surgical diseases.
- 3- Discuss the clinical manifestations, complications, diagnostic modalities, outcome and treatment plans for common and/or important surgical problems, with special emphasis on emergencies and malignancies.
- 4 - Explain the methods of screening and early detection of cancer.
- 5- Recognize the ethical principles that govern decision-making in surgical practice.

6- Discuss the principles and practice of preoperative preparation and postoperative care.

7- Describe the basic steps needed for the conduction of safe anesthesia.

8- Outline the physiologic effects of pain and the principles of its management.

E- Professional skills (Clinical and intellectual).

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

9- Obtain, perform and document a complete medical history and physical examination.

10- Perform an emergency-directed examination for patients with common surgical emergencies.

11- Utilize sources of information like medical records, patient's family/friends to augment medical history.

Data analysis and problem solving By the end of the course the student will be able to:

12- Interpret patient symptoms and physical findings in terms of their anatomic, pathologic and functional diagnostic significances.

13- Identify problems, prioritize them, and generate a list of differential diagnosis for each problem.

14- Select the most appropriate and cost-effective diagnostic and therapeutic procedure for each problem.

15- Interpret the results of commonly used diagnostic procedures.

16- Use the results of all the tests ordered to modify the problem list and the differential diagnosis accordingly.

17- Combine the clinical and investigational database, with the evidence-based knowledge and the skill of deductive reasoning to be proficient in clinical problem-solving.

Skills related to treatment strategies.

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

18- Recognize patients with life/organ-threatening surgical conditions and perform appropriate initial therapy.

19- Identify and outline management of patients with chronic surgical conditions requiring long-term follow-up, rehabilitation and pain relief.

20- Perform routine bedside procedures.

21- Apply the principles of sterile techniques and infection control guidelines.

F. Communication skills:

22- Conduct sincere and effective patient interviews, properly explain their condition and plan of management, obtain consents and convey bad news in a professional way.

23- Write patient records and properly present them.

24- Communicate, consult and respect the role of other health-care providers.

25- Work effectively and cooperatively in a team.

G. Life-long learning.

26- Formulate a focused clinical question based on real or hypothetical case, search effectively medical literature using electronic resources, retrieve appropriate information and appraise them using the principles of evidence based medicine.

H. Ethical behavior.

27- Treat the patient as a person, respecting his confidentiality and deliver care in an honest, considerate and compassionate manner.

28- Advocate the patient's interests over his own.

29- Maintain a professional image, and practice a responsible attitude.

30- Outline the ethical principles related to organ donation.

31- Discuss professional errors in an honest way.

I. The time table of Course contents, topics with Blueprint:

NO.	Course topics	hours	
	Neck		
1	Neck masses	1	Pathogenesis , risk factors , types , investigation , RX
2	Cervcal lymphadenopathy	1	Pathogenesis , risk factors , types , investigation , RX
3	Malignancy	1	Pathogenesis , risk factors , types , investigation , RX
	Thyroid		
4	Anatomy and congenital disorders	1	Pathogenesis , risk factors , types , investigation , RX
5	Thyroid status	1	Pathogenesis , risk factors , types , investigation , RX
6	Goiters	1	Pathogenesis , risk factors , types , investigation , RX
7	Malignancy	1	Pathogenesis , risk factors , types , investigation , RX
	Breast		
8	Anatomy and congenital	1	Pathogenesis , risk factors , types , investigation , RX
9	Breast mass	1	Pathogenesis , risk factors , types , investigation , RX
10	Malignancy	2	Pathogenesis , risk factors , types , investigation , RX
	Stomach and duodenum		Pathogenesis , risk factors , types , investigation , RX
11	Anatomy and congenital disorders	1	Pathogenesis , risk factors , types , investigation , RX
12	Gastritis	1	Pathogenesis , risk factors , types , investigation , RX
13	Duodenal ulcer	1	Pathogenesis , risk factors , types , investigation , RX
14	Malignancy	2	Pathogenesis , risk factors , types , investigation , RX
	Diseases gallbladder		
15	Anatomy and congenital disorders	1	Pathogenesis , risk factors , types , investigation , RX
16	Gall sones	2	Pathogenesis , risk factors , types , investigation , RX
	Liver		
17	Anatomy and congenital disorders	1	Pathogenesis , risk factors , types ,

			investigation , RX
18	Malignancy	1	Pathogenesis , risk factors , types , investigation , RX
	Spleen		
19	Trauma	2	Causes , type, radiological finding , management
	Adrenal and parathyroid		Pathogenesis , risk factors , types , investigation , RX
20	Parathyroid disorders	1	Pathogenesis , risk factors , types , investigation , RX
21	Adrenal disorders	2	Pathogenesis , risk factors , types , investigation , RX
	Abdominal wall and hernia		Pathogenesis , risk factors , types , investigation , RX
22	Abdominal wall hernia	1	Pathogenesis , risk factors , types , investigation , RX
23	Inguinal and femoral hernia	1	
24	Tumors	1	Pathogenesis , risk factors , types , investigation , RX
	Appendix		Pathogenesis , risk factors , types , investigation , RX
25	Acute appendicitis	1	Pathogenesis , risk factors , types , investigation , RX
26	Tumors	1	Pathogenesis , risk factors , types , investigation , RX
	Intestinal obstruction		
27	Types and symptoms	1	Pathogenesis , risk factors , types , investigation , RX
28	Management	1	Pathogenesis , risk factors , types , investigation , RX
	Small and large bowel		
28	Crhons disease and ulcerative cloitis	1	Pathogenesis , risk factors , types , investigation , RX
29	Small bowel tumors	1	Pathogenesis , risk factors , types , investigation , RX
30	Large bowel tumors	1	Pathogenesis , risk factors , types , investigation , RX
31	Colostomy	1	Pathogenesis , risk factors , types , investigation , RX
	Pancrease		
32	Acute pancreatitis	1	Pathogenesis , risk factors , types , investigation , RX
33	Tumors	1	Pathogenesis , risk factors , types , investigation , RX

34	Peritoneum	1	Pathogenesis , risk factors , types , investigation , RX
	Rectum and anus		
35	Anatomy and congenital	1	Pathogenesis , risk factors , types , investigation , RX
36	Rectal tumors	1	Pathogenesis , risk factors , types , investigation , RX
37	Hemorrhoids,fissure	1	Pathogenesis , risk factors , types , investigation , RX
38	Fistula,truma ,tumors	1	Pathogenesis , risk factors , types , investigation , RX
39	Laparcopy	1	Pathogenesis , risk factors , types , investigation , RX
	Urology		
1	Anatomy and symptoms	1	Pathogenesis , risk factors , types , investigation , RX
2	Infections and investigations	1	Pathogenesis , risk factors , types , investigation , RX
3	Renal stones	1	Pathogenesis , risk factors , types , investigation , RX
4	Renal tumors	1	Pathogenesis , risk factors , types , investigation , RX
4	Urological trauma	1	Pathogenesis , risk factors , types , investigation , RX
5	Prostate diseases	1	Pathogenesis , risk factors , types , investigation , RX
6	Congenital diseases	1	Pathogenesis , risk factors , types , investigation , RX
7	Bladder diseases	1	Pathogenesis , risk factors , types , investigation , RX
8	Scrotum and testis	1	Pathogenesis , risk factors , types , investigation , RX
9	Infertility	1	Pathogenesis , risk factors , types , investigation , RX
10	Advanced urology	1	Pathogenesis , risk factors , types , investigation , RX
11	Complementary medicine	1	To support conventional medical treatment and improve therapeutic outcome

Schedule and place of small group sessions and Clinical skills

1st week

Skill	Frequency	Method	Location
History and Past history	2 hour	Real patient	Hospital
Chief complain	2 hour	Real patient	Hospital
Pain analysis	2 hour	Real patient	Hospital
System review	2 hour	Real patient	Hospital

2nd week

Skill	Frequency	Method	Location
History of present illness	2 hour	Real patient	Hospital
Trauma history	2 hour	Real patient	Hospital
Pain analysis	2 hour	Real patient	Hospital
System review	2 hour	Real patient	Hospital

3rd week

Skill	Frequency	Method	Location
General look	2 hour	Real patient	Hospital
General examination and LNs	2 hour	Real patient	Hospital
Vital signs	2 hour	Real patient	Hospital
Pulse interpret	2 hour	Real patient	Hospital

4th week

Skill	Frequency	Method	Location
Neck examination	2 hour	Real patient	Hospital
Thyroid	2 hour	Real patient	Hospital
Abdominal inspection	2 hour	Real patient	Hospital
Abdominal palpation	2 hour	Real patient	Hospital

5th week

Skill	Frequency	Method	Location
Abdominal organs	2 hour	Real patient	Hospital
Percussion and	2 hour	Real patient	Hospital

auscultation			
Hernia exam	2 hour	Real patient	Hospital
Abdominal incision	2 hour	Real patient+power point	Hospital
Inguinal lymph nodes			

6th week

Skill	Frequency	Method	Location
Foot ulcer	2 hour	Real patient power, point	Hospital
Arterial examination	2 hour	Real patient	Hospital
Venous examination	2 hour	Real patient	Hospital
Scrotal examination	2 hour	Real patient ,power point EBM	Hospital

7th week

Skill	Frequency	Method	Location
Breast examination	2 hour	Real patient	Hospital
Breast mass		power, point	
Abdominal mass	2 hour	Real patient	Hospital
Surgical drains	2 hour	Real patient,power point EBM	Hospital
Fluids and Surgical instruments	2 hour	Fluids type ,power point	Hospital

8th week

Skill	Frequency	Method	Location
Surgical suturing	2 hour	Artificial	Skill lab
Wound addressing and examination	2 hour	Real patient	Hospital

Bedside skills:

IV, IM and SC injections.
Insertion of IV cannula.
Insertion of urinary catheter.
PR/PV examination.
Insertion of a nasogastric tube.
Simple skin suturing.
Wound care and basic wound dressing
- Types of dressings
- Sterile technique
Use of local anesthetics

Teaching and learning methods:

Methods used:

1. Clinical classes
2. Lectures
3. Staff rounds
4. Illustrated lecture
5. skill labs
6. Tutorials
7. Emergency rounds
8. EBM

Assessment and evaluation

A) Grading system:

To evaluate assessment of students by :-

Mid semester I and CPT = 10 marks

Half year theory exam = 20 marks

Mid semester II and CPT = 10 Marks

Clinical exam = 20 marks

Final exam = 40 marks

1-The continuous progress test (CPT) -----the activity

It comprises students' performance in constructive quizzes during the large group teaching lectures in addition to their participation by interactive teaching and their response to questions during the lectures. The answer is discussed immediately after the quiz so the students can have a feedback of their performance. The quiz is usually either (a problem solving question with photos to explain the case, MCQ, short essay, oral or OSCE) intended to test students' knowledge, critical thinking, analysis and intellectual skills, of previously presented lectures. There are 10-15 quizzes during the semesters.

2-The clinical examination

Including the ability of students to deal with real patients in the clinical ward by taking history and doing examination.

3- Summative examination

The theory examination consists of 50-100 MCQ questions

Administered and each question has 5 potential responses in alphabetical order. The student has to choose the most appropriate or correct answer. A positive mark is given to a correct answer and no mark is given to wrong answer.

4-Formative examination : no mark

Assessment tools:

	Tool	Purpose, assessment
		of:-
Written examination		Knowledge and understanding.
Clinical	examination (long case).	Clinical and intellectual skills and general skills

		and attitudes.
Clinical	examination (OSCE)	Data acquisition
Oral Examination		Knowledge and understanding
X-ray, anatomy		Knowledge and data analysis
	Log book:	
1- ER attendance (emergency room)		Data acquisition and skills related to treatment strategies
2-	Clinical presentation	Skills related to treatment strategies, general skills and attitude
3- Staff rounds		
	4- Seminars	
5- OR attendance (Operating room)		

Examination description:

* applied for 2025-2026, Academic year.

There are at least 1 formative exam for each system. However, the formative exam have no mark (Note: all student should participate in the formative exam).

- ❖ Followed by single summative exam for mid semester I,II and half year examination while in final summative exam there are a second trial if fail.
- ❖ Time for midsemester I ,II exam would be 1 hour , half year examination 2hour , final theoretical exam would be 3 hours .
- ❖ Clinical examination at the end of clinical course.

The summative and formative examination

The aim of summative and formative examination of general surgery aims to evaluate knowledge, critical thinking, analysis and problem solving abilities.

Approximately 60-70% of question test knowledge and 30-40% test critical thinking and problem solving abilities

The questions test the following :-

1-knowledge which includes understanding clinical anatomy, etiology, pathogenesis, risk factors , causes , investigations , clinical features of diseases .

2-Making the appropriate diagnosis.by using history taking and appropriate clinical examination.

3- Selecting a laboratory test and radiological image for investigation for diagnosis in certain clinical scenarios

Examinations description:

Examination	Description
1-continuous progress test (CPT)	oral examination / spot diagnosis , quizzes , PBL ,Short answered questions, Case report ,homework activity and skills assessment , log book activity
2- theory exam for each 1st and 2nd mid semester	Short answered questions, M.C.Qs. and case presentation with short answer and matching according bloom and blue print
3-Halve year theory exam	Short answered questions, M.C.Qs. and case presentation with short answer and matching according bloom and blue print
4- clinical session exam at end of clinical session for each group	OSCE , long case , short case , physical exam according bloom and blue print
5-final theory exam	M.C.Qs. as case sinario or direct question , according bloom and blue print

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

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

List of references:

Essential books (text books):

Bailey and Love's Short Textbook of Surgery,

Norman Browse clinical surgery

Recommended books:

Schwartz Textbook of Surgery

Current Surgical therapy

Internet

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
Four year	GSU 4204	Surgery	Basic	√	√	√	√	√	√	√	√	√	√	√	√

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

