

**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 Obstetrics 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. Yasamin Hamz

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 120 h for annual year semester I,II (60h theory and 60 h for each group Clinical session		Basic
College Requirements	2	Total 120 h for annual year semester I,II (60h theory and 60 h for each group Clinical session		Basic
Department Requirements	2	Total 120 h for annual year semester I,II (60h 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	
			theoretical	practical
4 th	OBS 4206	Obstetrics	60 h for annual year semester I,II	60 h for each group clinical session

8. Expected learning outcomes of the program

1- knowledge and understanding:

By the end of the course, all students should be able to:

1- Describe the anatomical features and development of the female genital tract and their clinical application.

2-Explain the physiology of menstruation, puberty (its abnormalities and their management), menopause (abnormalities and their management)

3- Describe the basic physiological background of fertilization, implantation , early development of the fetus, placenta and cord .

4-Recognize the basic physiological changes produced by pregnancy occurring in each trimester and physiological changes produced during labor and postpartum.

5-Understand normal fetal development and maternal adaptations

6-Provide Antenatal Care:-

- Demonstrate different methods of assessment of maternal and fetal well-being throughout pregnancy

-Use clinical guidelines and current best evidence in managing pregnancy and childbirth

-Identify and manage minor disorders of pregnancy (e.g., nausea, heartburn,

backache)

7-Identify High-Risk patients during pregnancies and their management:-

Recognize and manage complications such as:-

- Pre-eclampsia and eclampsia**
- Gestational diabetes**
- Intrauterine growth restriction (IUGR)**
- Multiple pregnancy**
- Rh incompatibility**
- Anemia**

8-Discuss etiology of bleeding in early pregnancy (i.e. Abortion, ectopic, vesicular mole) and their management, and causes of bleeding in late pregnancies (placenta praevia, accidental hemorrhage) and their management.

9-Demonstrate the basic anatomy and surgical anatomy of the female pelvis and fetal skull

10-Explain and management of normal labor and different abnormal presentations and positions

11-Recognize and Manage Obstetric Emergencies

List the causes of complications of third stage of labor and outline their management

- Postpartum hemorrhage (PPH)**
- Obstructed labor**
- Shoulder dystocia**
- Cord prolapse**

-Uterine rupture

12-Describe the physiological changes during puerperium and the recommended program of postnatal visits with abnormalities occurring in puerperium and their management

13-Outline the indices, causes and prevention of maternal and perinatal morbidity and mortality

14-Safe Use of Medications in Pregnancy

Understand the pharmacological principles and safety of drugs used during pregnancy and labor (e.g., oxytocin, magnesium sulfate, antihypertensives)

Clinical and intellectual skills

By the end of the course all students should be able to:

1-Take a Thorough Obstetric History and Perform Physical Examination

-Accurately determine gestational age of a pregnant lady through history taking, abdominal examination, and use of tools like Doppler and fundal height measurement, beta-HCG level, and ultrasound assessment and estimate the expected date of delivery.

2-Understand and Manage Labor and Delivery

A-Identify stages of labor and monitor progress

B-Conduct safe normal vaginal deliveries

C-Use the partograph and interpret it correctly

3-Postnatal Care and Breastfeeding Support

A-Provide care for mother and newborn in the postpartum period

B-Promote and support exclusive breastfeeding.

C-Identify and manage postnatal complications such as infection, depression, and thrombosis.

4-Understand Fetal Monitoring and Assessment

A-Interpret fetal heart rate patterns

B-Understand indications for and basics of ultrasound in pregnancy

C-Assess fetal well-being using clinical and technological tools

5-Clinically differentiate between normal pregnancies and high risk pregnancies.

6-Distinguish between different causes of bleeding in early pregnancies with judgment of life threatening conditions e.g.: hypovolemic shock of inevitable abortion, disturbed ectopic pregnancy, through vital signs, general, abdominal and pelvic examinations.

7-Point out the warning signs of late pregnancy and early referral to specialized centers

8.Evaluate the risk of bleeding in late pregnancy and how to start management with emphasis on NOT doing vaginal examination

9-Appraise different methods of assessment of fetal well being with proper use of Pinard, Sonicaid, US to evaluate fetal well being, and distressed fetuses which need immediate intervention

10- Use clinical guidelines and current best evidence in managing pregnancy , normal labor and childbirth and identify cases requiring referral (EBM).

11-Examine the female during labor and early recognition of obstructed labor through clinical symptoms and signs and call for help or refer to a special center

12-Assess complication of the third stage of labor and apply first aid management of each till a senior obstetrician is involved

13- Differentiate normal from abnormal neonate through Apgar score and participate in the initial management of those in need of resuscitation.

Ethical and social skills:

By the end of the course all students should be able to:

1-Communicate with the patient as a person, not as a disease, and understand that the patient is a person with beliefs, values, goals, and concerns, which must be respected in addition to respecting the patient's dignity, privacy, information confidentiality and autonomy.

2-Counsel the patient before doing any intervention and in different situations with respect to her wish whenever this is possible

3-Maintain the atmosphere of cooperation, peer relationships, and mutual respect in the university society

4-Advance the knowledge base of medicine by developing and encouraging scientific researches

5-Professionalism, Ethics, and Communication

A-Apply respectful maternity care and shared decision-making

B-Communicate effectively with patients and families

C-Maintain patient confidentiality and obtain informed consent

6- Work in a Multidisciplinary Team

Collaborate with midwives, obstetricians, pediatricians, and other healthcare providers to ensure comprehensive care

9. Teaching and Learning Strategies

Theoretical lectures

Clinical sessions

Tutorials and seminars

EBM

10. Evaluation methods

Theoretical exams , formative and summative

Clinical exams , history taking , physical exam , OSCE

Logbook and skills assessment

Academic Rank	Specialization		Number of the teaching staff		
	General	Special	Staff	Lecturer	
2 Professor	MBChB	2			
3 Assistant Professor	MBChB	3			
4 Lecturer	MBChB	4			

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	OBS 4206	Obstetric	Basic	√	√	√	√	√	√	√	√	√	√	√	√

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

Course Description Form

1. Course Name:	
Obstetric	
2. Course Code:	
OBS 4206	
3. Semester : fourth year	
Annual year semester I, II	
4. Description Preparation Date: 10/9/2025	
5. Available Attendance Forms: 16/10/2025	
Attendance sheet	
6. Number of Credit Hours	
Total 120h , 60 for theory for annual year semester I,II and 60h clinical session) / 6 unit	
7. Course administrator's name (mention all, if more than one name)	
8. Course Objectives	
Course Objectives	<p>Describe the basic physiological background of fertilization, implantation and early development of the fetus, placenta, and cord.</p> <p>Describe the anatomical features and development of the female genital tract and their clinical application.</p> <p>Recognize the basic physiological changes produced by pregnancy occurring in each trimester and the basic principles of antenatal care.</p> <p>Explain the physiology of menstruation, puberty (its abnormalities and their management), menopause (abnormalities and their management)</p> <p>Discuss different medical disorders occurring during pregnancies and their management (eg: hypertension, pyelitis, hyperemesis, diabetes, anemia...)</p> <p>Discuss etiology of bleeding in early pregnancy (i.e. Abortion, ectopic, vesicular mole) and their management, and causes of bleeding in late pregnancies (placenta praevia, accidental hemorrhage) and their management.</p> <p>Recognize high-risk pregnancies, their magnitude, and different etiologies with emphasis on preventable and avoidable causes and their management.</p>

	<p>Illustrate different methods of assessment of fetal well-being</p> <p>Illustrate the basic anatomy and surgical anatomy of the female pelvis and fetal skull</p> <p>Provide lifelong learning competencies necessary for continuous professional development and research studies.</p>
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Obstetrics curriculum of 4th year medical students

Lectures : during the study year the discipline of obstetrics is presented theoretically to the students into lectures covering as much as possible of its objectives and is continuously updated. The objectives of lectures should be:

(a) to cover the basic minimal knowledge required for all physicians.

(b) Two hours lectures per week utilizing the available time (40-45 minutes) in presenting the knowledge as simple , updated, well-illustrated, and easily understood as possible. Rare topics, and those irrelevant to our community should be omitted or given less importance and time.

Lectures are delivered by the senior academic staff. However, senior obstetricians and gynecologists who were in the service of the department of health and medical services, may be requested to join the lecturing program as deemed necessary. Lectures given as clinical presentation to cover each areas.

The order of lectures need not be traditional. Otherwise, students will receive knowledge about: labour, puerperium, postnatal or postoperative management very late in the course.

It is our policy to mix up subjects at the beginning of the course, so that students get something about everything as soon as possible and start to expand their knowledge both by their own efforts and by a series of lectures over the whole year. At the beginning of each year, a list of obstetric lectures for that year, with the objectives of each lectures is distributed to the teachers concerned and to the students.

(c)At the end of some lectures an informative assessment will be done in form of Quizzes(3-4 quizzes)

Mid semester I (10 marks) and mid semester II, 10 marks , half -year . exam (20 marks) and final year exam (40 marks) in addition to final clinical exam and assessment (20 marks) with overall total score of (100 marks).

course of obstetrical lectures:

No.	Lectures Topics
1	Obstetrical history and examination
2	Fertilization , conception and placental development
3	Placental functions
4	Signs and symptoms of pregnancy and normal physiological changes during pregnancy
5	Normal fetal development and growth
6	Antenatal imaging & assessment of fetal wellbeing
7	Antenatal care and definitions
8	Anatomy of female bony pelvis and fetal skull
9	Normal labour " stages & mechanism "
10	Management of normal labour
11	Abnormal labour and fetal distress
12	Malpresentation " face , brow , shoulder "
13	Breech presentation & management
14	Induction of labour
15	Pain relief in labour

16	The puerpreium
17	Hypertension with pregnancy
18	<i>Intrauterine growth restriction IUGR</i>
19	<i>Intrauterine death IUD</i>
20	APH antepartum haemorrhage (placenta previa , placenta abruption)
21	PPH <i>postpartum hemorrhage</i>
22	Prenatal diagnosis
23	Multiple pregnancy
24	Amniotic fluid & its disorder
25	Preterm labour
26	PPROM <i>Premature rupture of membranes</i>
27	Prolonged pregnancy
28	Rh isoimmunizations
29	Perinatal infections
30	Diabetes Mellitus with pregnancy
31	Medical disorder with pregnancy (cardiac , thyroid)
32	Medical disorder with pregnancy (skin , liver , neurological)
33	Anemia with pregnancy
34	Haematological disorder and pregnancy
35	Thromboembolism and pregnancy
36	Vomiting in pregnancy

37	Renal disease in pregnancy
38	Urinary tract infection in pregnancy
39	Second trimester miscarriage
40	Operative intervention in obstetric (instrumental , episitomy , C/S caesarean section)
41	Obstetrical emergency (shoulder dystocia , cord prolapse)
42	Obstetrical emergency (retained placenta , uterine inversion)
43	Drugs used in pregnancy

CLINICAL ATTACHMENTS:

The clinical course of each student group is 7wks +2d ,and 4 days /week from 8:00 AM – 10:30 AM and the number of the groups are four groups each group had 60-65 student divided into small teaching groups each one had 15- 20student and each teacher take one small group &the teacher will evaluate the attendance of the % student and the history presentation and explain the subject if the students had any difficulty to understand the subject and explain the obstetrical examination for each case ,more concentration on the following clinical subjects:

- 1. Mechanism of labour and stages of labour**
- 2. Antepartum and postpartum hemorrhage**
- 3. Episiotomy and perineal tears**
- 4. Preterm labour and PROM**
- 5. Multiple pregnancy**
- 6. Diabetes in pregnancy**
- 7. Hypertensive disease in pregnancy**

8. Analgesia and anesthesia in labour

9. The partogram

10. Fetal heart monitoring

11. Breech presentation

12. Caesarian section

13. Postmaturity

14. Normal and abnormal presentation

15-EBM

(d)At the end of the clinical course , clinical exam and assessment of the student will be done by the academic staff in joined with the seniors obstetrician from the Department of Obstetrics and Gynecology working in Al-Diwaniyah Maternity and Pediatrics Teaching Hospital and the final mark will be divided depending on the assessment of student attitude ,clinical approach and management , and clinical skills of (20 marks).

Teaching & learning facilities

The facilities available used for teaching in this 4th year course include :

1. Lecture hall in the OB/GYN hospital contains writing board , overhead & slide projector
2. 12 rooms at clinical words of OB/GYN hospital
3. Data show & computer
4. Three outpatients clinical rooms in OB/GYN outpatients clinics .
5. Multiple learning dolls of models

***Clinical facilities :**

- 20-30 patients in each day available in inpatient units (words) in the hospital .
- Emergency unit serving = 30 patients per day
- Labour word facing = 30 deliveries per day with 4 delivery rooms
- Operating rooms : 4 rooms for gynecology & obstetric operations (emergency & elective)

***Students assessment**

1. Attendance
 - a. Behavioral & ethical attendance
 - b. Logbook for clinical cases

c. Attendance in emergency & labour room

They whole should be fulfilled . the minimum accepted attendance is 70 % at the end of term examination .

2. Assessment tools

- a. Written examination : for assessment of general knowledge & understanding .
- b. Oral examination by two members of teaching staff to assess how sixth year student deal with obstetrics & gynecology scenario problems .
- c. Clinical examination (long case exam) medical students attendance in managing clinical cases in comprehensive way .
- d. OSCE examination : including basic & clinical obstetrics & gynecology

Learning and Teaching Resources
Required textbooks : Obstetrics Textbook by Ten Teachers
Main references (sources) :Text book and Lectures

Examinations description:

Examination	Description
1-continuous progress test (CPT)	oral examination / spot diagnosis , quizzes , PBL ,Short answered questions ,and skills assessment , log book activity Case report ,homework activity
2- theory exam for each 1 st and 2 nd mid 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	Short answered questions, M.C.Qs. and case presentation with short answer and matching according bloom and blue print
4- clinical session exam for final exam	OSCE , long case , short case , physical exam, slides and written 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) .