



Ministry of Higher Education and Scientific Research
Apparatus for Supervision and Scientific Evaluation



Warith Al-Anbiyaa University (AS)
College of Medicine

Academic Program Description Form for Institutes and Colleges 2026-2027

Course Syllabus

Academic Program Description Form

University Name:	Warith Al-Anbiyaa University
College/Institute:	College of Medicine — Warith Al-Anbiyaa University (AS)
Scientific Department:	College of Medicine
Academic or Professional Program Name:	Subspecialities of Surgery /5 th stage
Final Certificate Name:	Bachelor of Medicine and Surgery (M.B.Ch.B)
Study System:	Annual
Date of Preparing the Description:	1/9/2026
Date of Filling the Form:	1/9/2026

Signature:  Dr. Ali Algourah
Head of Department Name: Dr. Ali Algourah
Date:

Signature: 
Scientific Assistant Name: Dr. Ali Algourah
Date:

Reviewed by Quality Assurance and University Performance Division

Name of Director of Quality Assurance and University Performance Division: Dr. Ayad Ali Sahib Al Mousawi

Date: 14/9/2026

13/9/2026

Signature: 

Prof. Ali A. Saadoun

Approved by the Dean





Course Description Form

1. Course Name	
Subspecialities of Surgery	
2. Course Code	
Med504	
3. Semester / Year	
2026-2027	
4. Date of Preparing this Description	
1/9/2026	
5. Available Attendance Forms	
Lecture halls – teaching via the internet, hospital wards, and skills laboratories	
6. Number of Study Hours (Total) / Number of Units (Total)	
Theoretical: 40 hrs – Clinical: 24 hrs – Units:	
7. Name of Course Coordinator (list all names if more than one)	
Name: Asst. Prof. Dr. Ali Abdul-Redha Abbas Algourah Email: ali.algarah@uowa.edu.iq	

8. Course Objectives	
Course Objectives: <ul style="list-style-type: none"> • Review information the student studied in previous years regarding the anatomy and function of the Cardiovascular and respiratory system, Pediatric important systems, skin and subcutaneous tissues, Central Nervous system. • Recognize the diseases of the Cardiovascular and respiratory system, Pediatric important systems, skin and subcutaneous tissues, Central Nervous system. system and their associated functional and histological changes. • Identify the main causes and predisposing/contributing factors leading to Cardiovascular and respiratory system, Pediatric common surgical diseases, skin and subcutaneous tissues, Central Nervous system. 	

- Identify the essential laboratory investigations required to diagnose or monitor the progress of plus ICU and anesthesiologic drugs and Cardiovascular and respiratory system, Pediatric common surgical diseases, skin and subcutaneous tissues, Central Nervous system.
- Identify radiological, ultrasound, CT, and MRI investigations and their indications for diagnosing and following up Cardiovascular and respiratory system, Pediatric common surgical diseases, skin and subcutaneous tissues, Central Nervous system.
- Acquire the clinical skills needed to examine and diagnose Cardiovascular and respiratory system, Pediatric common surgical diseases, skin and subcutaneous tissues, Central Nervous system, and acquire communication skills with patients.
- Identify the treatment methods for Cardiovascular and respiratory system, Pediatric common surgical diseases, skin and subcutaneous tissues, Central Nervous system, critical care unit and the most important treatments used.
- Identify the principles of surgical and laparoscopic operations specific to Cardiovascular and respiratory system, Pediatric common surgical diseases, skin and subcutaneous tissues, Central Nervous system and anesthesia and their indications, as well as the supplies, instruments, and medical devices used in performing these operations.
- Identify how to prepare patients before undergoing surgical and laparoscopic operations specific to the pediatric surgery, and follow up patients after these surgical and laparoscopic operations.
- Train in performing emergency interventions specific to Cardiovascular and respiratory system, Pediatric common surgical diseases, skin and subcutaneous tissues, Central Nervous system.

9. Teaching and Learning Strategies

Strategy:

Directly involving students in the learning process through discussion and analysis.

Problem-solving: presenting scientific or medical dilemmas and assigning students to find logical solutions for them.

Cooperative learning: dividing students into small working groups to accomplish specific tasks.

Brainstorming: freely generating the largest possible number of ideas and solutions for a given topic.

10. Course Structure

Week	Hours	Required Learning Outcomes	CLINICAL Session	Unit or Topic Name	Learning Method	Assessment Method
First	2	Chest trauma	How to diagnose life threatening conditions. How and when to apply chest tube.	Thoracic surgery	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
Second	2	-Surgical aspects of Suppurative lung diseases (Lung abscess, Bronchiectasis) - TB Hydatid disease of the lung	Clinical discussion plus X rays findings related to the diseases.	Thoracic surgery	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
Third	2	Spontaneous pneumothorax Pleural effusion Thoracic empyema	Clinical discussion plus X rays findings related to the diseases.	Thoracic surgery	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
Fourth	2	Chronic peripheral arterial insufficiency. Acute arterial occlusion & Gangrene.	Clinical discussion plus intervention videos demonstrations.	Vascular surgery and heart	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
Fifth	2	Arterial aneurysm, AVF &	Clinical discussion plus intervention	Vascular surgery and heart	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam

Week	Hours	Required Learning Outcomes	CLINICAL Session	Unit or Topic Name	Learning Method	Assessment Method
		miscellaneous subjects. Venous disorders DVT Varicose veins Venous insufficiency and venous ulcers	videos demonstrations.			
Sixth	2	Lymphatic disorders. Cardiac surgery Preoperative investigations and assessment Intraoperative (heart lung machine) Postoperative care	Clinical discussion plus intervention videos demonstrations.	Vascular surgery and heart	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
Seventh	2	Congenital heart diseases Cyanotic congenital heart diseases Acyanotic congenital heart diseases	Clinical discussion plus intervention videos demonstrations.	Vascular surgery and heart	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam

Week	Hours	Required Learning Outcomes	CLINICAL Session	Unit or Topic Name	Learning Method	Assessment Method
		Acquired heart diseases Ischemic heart diseases Valvular heart diseases				
Eighth	2	Introduction to Plastic Surgery, Wound reconstruction in steps, skin graft, flaps and updates in NPWT and tissue expanders.	Outpatient clinical cases discussion plus videos demonstrations related to the diseases seen in the clinic	Plastic surgery basic principles	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
9 th	2	Congenital anomalies related to plastic surgery: hand anomalies, craniofacial anomalies.	Outpatient clinical cases discussion plus videos demonstrations related to the diseases seen in the clinic	Plastic surgery basic principles	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
10 th	2	Skin tumors related to plastic surgery (benign and malignant tumors.)	Outpatient clinical cases discussion plus videos demonstrations related to the diseases seen in the clinic	Plastic surgery basic principles	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
11 th	2	Introduction to neurosurgery. Traumatic brain injury part-1	Outpatient clinical cases discussion plus videos demonstrations related to the diseases seen in the clinic	Neurosurgery basic principles	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam

Week	Hours	Required Learning Outcomes	CLINICAL Session	Unit or Topic Name	Learning Method	Assessment Method
12 th	2	Traumatic brain injury part- 2 + CNS infection. Developmental CNS disorders.	Outpatient clinical cases discussion plus videos demonstrations related to the diseases seen in the clinic	Neurosurgery basic principles	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
13 th	2	Spine disorders and trauma. CNS space occupying lesions + vasculopathies.	Outpatient clinical cases discussion plus videos demonstrations related to the diseases seen in the clinic	Neurosurgery basic principles	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
14 th	2	Advances in Neurosurgery. Introduction to pediatric surgery.	Outpatient clinical cases discussion plus videos demonstrations related to the diseases seen in the clinic	Neurosurgery basic principles	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
15 th	2	Common surgical diseases in pediatrics Part- 1 and 2	Outpatient clinical cases discussion plus videos demonstrations related to the diseases seen in the clinic	Neurosurgery basic principles	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam
16 th	2	Pediatric surgical oncology + common congenital diseases of surgical aspect. Common pediatric	Outpatient clinical cases discussion plus videos demonstrations related to the diseases seen in the clinic	Neurosurgery basic principles	Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam

Week	Hours	Required Learning Outcomes	CLINICAL Session	Unit or Topic Name	Learning Method	Assessment Method
		surgical conditions-part1 and 2				
17 th	2	What is Anesthesia) Types of Anesthesia)				
18 th	2	Anesthesiologist Duties) Preoperative Period				Quizzes + final course OSCE and CIVA Exam
			Anesthesia Live cases in front of the students inside the theatre		Volatile Anesthetics	Quizzes + final course OSCE and CIVA Exam
19 th	2	Intraoperative Period Postoperative Period	Anesthesia Live cases in front of the students inside the theatre		IV Anesthetics	Quizzes + final course OSCE and CIVA Exam
20 th	2	ICU	ICU inpatient training.		Problem solving plus cases discussion	Quizzes + final course OSCE and CIVA Exam

11. Course Evaluation

Formative (continuous) assessment at the end of each teaching session, to provide immediate feedback and measure the student's learning progress.

Final (summative) assessment.

12. Learning and Teaching Resources

Required Textbooks (Curriculum, if any)	Bailey and Love's Short Practice of Surgery, 28th Edition 016_Hamilton_Bailey's_Demonstrations_of_Physical_Signs_in_Clinical
Main References (Sources)	
Recommended Supporting Books and References (scientific journals, reports, etc.)	Lectures, tutorials and videos Grabb and Smith plastic surgery principles 8 th edition.
Electronic References, Websites	Reputable scientific websites