

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



### **Academic Program Description Form**

**University Name:** Al-Rafidain

**Faculty/Institute:** Al-Rafidain University College

**Scientific Department:** Anesthesia Techniques

**Academic or Professional Program Name:** Bachelor's degree

**Final Certificate Name:** Bachelor of Anesthesia Techniques

**Academic System:** Annual / Semesters

**Description Preparation Date:** 4/4/2024

**File Completion Date:** 18/4/2024

**Signature:**

**Head of Department Name:**

Assist. Prof. Dr. Sinan Sobhi Farhan

**Date:** 18/4/2024

**Signature:**

**Scientific Associate Name:**

**Date:** 18/4/2024

**The file is checked by:**

**Department of Quality Assurance and University Performance**

**Director of the Quality Assurance and University Performance Department:**

**Date:**

**Signature:**

**Approval of the Dean**

## **1. Program Vision**

The department provides various health institutions with specialized health personnel to fill the shortage in the field of Anesthesia now and in the future

## **2. Program Mission**

Preparing scientifically qualified cadres to be distinguished members of the health care team in various hospitals. The department is also committed to graduating trained anesthesia technicians to assist anesthesiologists in providing safe, high-quality health care to the patient.

## **3. Program Objectives**

The department aims to prepare health personnel specialized in anesthesia techniques with high skills who will work in health institutions and be able to accomplish the following tasks:

1. Preparing the patient before performing the surgical procedure in the operating room
2. Giving the patient the appropriate doses of anesthesia
3. Operating and maintaining anesthesia devices and equipment
4. Dealing with anesthetic materials used to anesthetize the patient.

## **4. Program Accreditation**

Does the program have program accreditation? From which Agency?

No

## **5. Other external influences**

Is there a sponsor for the program?

Middle Technical University

## 6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
<b>Institution Requirements</b>	٨	<b>17</b>	<b>9%</b>	
<b>College Requirements</b>	١٠	<b>38</b>	<b>19%</b>	
<b>Department Requirements</b>	٢٦	<b>141</b>	<b>72%</b>	
	٤٤	<b>196</b>		
<b>Summer Training</b>	٢	<b>Satisfied</b>	<b>% ١٠٠</b>	
<b>Other</b>				

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

## 7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
			Theor.	Prac.
First/First Course		Medical Physics (1)	٢	٤
First/First Course		Anatomy (1)	٢	٤
First/First Course		General physiology (1)	٢	٤
First/First Course		General chemistry	٢	٤
First/First Course		Biology	٢	٤
First/First Course		Computer principles 1	١	٢
First/First Course		Human Rights & Democracy	٢	-
First/First Course		English Language	٢	-
First/Second Course		Medical Physics (2)	٢	٤
First/Second Course		Anatomy (2)	٢	٤
First/Second Course		General physiology (2)	٢	٤
First/Second Course		Biochemistry	٢	٤
First/Second Course		microbiology	٢	٤
First/Second Course		Computer principles 2	١	٢
First/Second Course		Arabic Language	٢	-

Second/First Course		Crimes of the Baath Party regime	٢	-
Second/First Course		Applied Physiology (1)	٢	٤
Second/First Course		Basics of Medicine (1)	٢	٤
Second/First Course		Basics of Surgery (1)	٢	٢
Second/First Course		Medical terminology	٢	-
Second/First Course		Basics of Anesthesia (1)	٢	٤
Second/First Course		Basics of Anesthetic Equipment (1)	٢	٤
Second/First Course		Pharmacology (1)	٢	٢
Second/Second Course		Basics of Surgery (2)	٢	٢
Second/First Course		Basics of Medicine (2)	٢	٤
Second/First Course		Pharmacology (2)	٢	٢
Second/First Course		Statistics	١	٢
Second/First Course		Basics of Anesthesia (2)	٢	٤
Second/First Course		Basics of Anesthetic Equipment (2)	٢	٤
Second/First Course		Applied Physiology (2)	٢	٤
Third/Annual		Anesthesia(2)	٢	٥
Third/Annual		Intensive Care Technology (1)	٢	٥
Third/Annual		Anesthetic Equipment Technology (2)	٢	٥
Third/Annual		Medicine (2)	٢	٣
Third/Annual		Surgery (2)	١	٣
Third/Annual		Computer Applications(2)	١	٢
Third/Annual		English Language	١	-
Fourth/Annual		Anesthesia(3)	٢	٤
Fourth/Annual		Intensive Care Technology (2)	٢	٤
Fourth/Annual		Anesthetic Equipment Technology (3)	٤	٢
Fourth/Annual		Surgical internal medicine	١	٤
Fourth/Annual		Nursing	١	٤
Fourth/Annual		English Language	١	-
Fourth/Annual		Graduation Project	١	٢

<b>8. Expected learning outcomes of the program</b>	
<b>Knowledge</b>	
Preparing cadres specialized in anesthesia techniques	Managing operations rooms and intensive care units in general hospitals and the private sector
<b>Skills</b>	
1. That the student uses the tools correctly 2. That the student applies what he has learned in a practical way	1. The student must prepares the necessary materials 2. That the student performs the appropriate procedures for the situations he faces
<b>Ethics</b>	
1. Working as a team 2. That the student recognizes the importance of academic subjects.	Commitment to the ethics of the university institution Receiving information and cognitive receptivity

<b>9. Teaching and Learning Strategies</b>
<ol style="list-style-type: none"> <li>1. Classroom education through theoretical and practical lectures</li> <li>2. Preparing scientific reports and research</li> <li>3. Reviewing books, scientific journals, and modern sources</li> <li>4. Training the student to work in private and government hospitals through scientific visits</li> <li>5. Benefit from laboratories and workshops.</li> <li>6. Extracurricular activities</li> </ol>

<b>10. Evaluation methods</b>
<ol style="list-style-type: none"> <li>1. Daily tests</li> <li>2. Homework.</li> <li>3. Semester and final exams</li> </ol>

## 11. Faculty

### Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer
Assist Prof. Dr. Sinan S. Farhan	General Medicine	anatomy	Head of Department	Yes	
Lec. Gheni A. Ali			Department rapporteur	Yes	
Lec. Dr. Mudhafer A. Shafeek	General Medicine	sports medicine	Faculty member	Yes	
Assist Prof. Dr. Redha J. Kadhim	General Medicine	surgery	Faculty member	Yes	
Lec. Dr. Shetha S. Sabri	General Medicine	physiology	Faculty member	Yes	
Lec. Dr. Ahmed M. Hussain	General Medicine	Anesthesia	Faculty member	Yes	
Lec. Dr. Dani A. Hasan	General Medicine	Anesthesia	Faculty member	Yes	
Prof. Dr. Abdulwahab R. Hemed	Biochemistry	Nutrition hormones	Faculty member	Yes	
Lec. Dr. Saif M. Mohammed	General Medicine	Anesthesia	Faculty member	Yes	
Lec. Dr. Ali G. Aboud	General Medicine	surgery	Faculty member	Yes	
Lec. Dr. Nidhal I. Abdullah	General Medicine	Pediatrics	Faculty member	Yes	
Lec. Dr. Safa A. Ahmed	General Medicine	Rheumatic diseases	Faculty member	Yes	
Assist Prof. Aiten N. Hussain	physics	Optical physics	Faculty member	Yes	
Assist. Lec. Mohammed A. Rwoih	physics	Medical physics	Faculty member	Yes	
Assist. Lec. Murtadha A. Mekhreb	biology	Fungi and plants	Faculty member	Yes	

## **Professional Development**

### **Mentoring new faculty members**

- Adherence to official working hours.
- Adherence to the timings of lectures, exams, and the course of the educational process.
- Encouraging the completion of scientific research.
- Follow up on the progress of lectures and completion rates for lectures.
- Conduct a self-report assessment.

### **Professional development of faculty members**

- Carrying out various scientific activities (seminars, courses, discussion circles,...).
- Participation in scientific conferences.
- Participation in scientific activities related to continuing education.

## **12. Acceptance Criterion**

Average for high school studies and central admission according to the regulations of the Ministry of Higher Education and Scientific Research

## **13. The most important sources of information about the program**

1. Textbooks prescribed by the Ministry of Higher Education and Scientific Research
2. External scientific sources
3. Use of libraries and the Internet

## **14. Program Development Plan**

The department has many methodological and research plans in order to develop the department and the scientific environment in which the department headship works

The Department Council and the Scientific Committee provide all requirements for the development of the department.

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
First/First Course	ATD 011\	Medical Physics (1)	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 011\`	Anatomy (1)	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 011\`	General physiology (1)	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 011\`	General chemistry	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 011\`	Biology	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 011\`	Computer principles 1	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 011\`	Human Rights & Democracy	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 011\`	English Language	Basic	X	X	X	X	X	X	X	X	X	X	X	X
First/Second Course	ATD 0121	Medical Physics (2)	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 012\`	Anatomy (2)	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 012\`	General physiology (2)	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 012\`	Biochemistry	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 012\`	microbiology	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 012\`	Computer principles 2	Basic	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 012\`	Arabic Language	Basic	X	X	X	X	X	X	X	X	X	X	X	X

Second/First Course	ATD 0211	Basics of Anesthesia (1)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0212	Basics of Anesthetic Equipment (1)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0213	Applied Physiology (1)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0214	Basics of Medicine (1)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0215	Basics of Surgery (1)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0216	Medical terminology	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0217	Pharmacology (1)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0218	Crimes of the Baath Party regime	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
Second/Second Course	ATD 0221	Basics of Anesthesia (2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0222	Basics of Anesthetic Equipment (2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0223	Applied Physiology (2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0224	Basics of Medicine (2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0225	Basics of Surgery (2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0226	Pharmacology (2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0228	Statistics	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X

<b>Third/Annual</b>	ATD 0301	Anesthesia(2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0302	Intensive Care Technology (1)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0303	Anesthetic Equipment Technology (2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0304	Medicine (2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0305	Surgery (2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0306	Computer Applications(2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0307	English Language	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
<b>Fourth/Annual</b>	ATD 0401	Anesthesia(3)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0402	Intensive Care Technology (2)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0403	Anesthetic Equipment Technology (3)	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0404	Surgical internal medicine	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0405	Nursing	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0406	English Language	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X
	ATD 0407	Graduation Project	<b>Basic</b>	X	X	X	X	X	X	X	X	X	X	X	X

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

