

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



# **Academic Program and Course Description Guide**

**2024**

## Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

### **Concepts and terminology:**

**Academic Program Description:** The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

**Course Description:** Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

**Program Vision:** An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

**Program Mission:** Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

**Program Objectives:** They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

**Curriculum Structure:** All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

**Learning Outcomes:** A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

**Teaching and learning strategies:** They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

## Academic Program Description Form

University Name: Al-Furat Al-Awsat Technical University

Faculty/Institute: College of Health and Medical Techniques

Scientific Department: Anesthesia Techniques

Academic or Professional Program Name: Anesthesia Techniques Final



Certificate Name: Anesthesia Techniques

Academic System: Course and Yearly

Description Preparation Date: 27/2/2024

File Completion Date: 27/2/2024

Signature:

Head of Department Name:

Dr. Aqeel A. Alsadawi

Date: 27/2/2024

Signature:

Scientific Associate Name:

Enas

Dr. Haad Agam Sayel

Date:

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 currently and in the future

### 2. Program Mission

Providing an educational and technical research environment that stimulates learning and creativity, contributing to the preparation of highly qualified graduates, achieving effective local and international scientific twinning, and strengthening partnership with various sectors of society

### 3. Program Objectives

Department of Anesthesia Techniques: The department aims to prepare health personnel specialized in anesthesia techniques with high skills to work in health institutions, where the graduate will do the following: 1. Preparing the patient before performing the surgical procedure in the operating room. 2. Giving the patient the appropriate doses of anesthesia. 4. Operating and maintaining anesthesia devices and equipment. 5. Dealing with anesthetic materials used to anesthetize the patient

### 4. Program Accreditation

A detailed study was submitted to obtain accreditation, including a self-evaluation report, improvement plan, and conformity report.

### 5. Other external influences

Al-Furat Al-Awsat Technical University

### 6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	45	180	100%	
College Requirements				

<b>Department Requirements</b>	<b>45</b>	<b>180</b>	<b>100%</b>	
<b>Summer Training</b>	<b>2</b>	<b>Satisfied</b>	<b>100%</b>	
<b>Other</b>				

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

<b>7. Program description</b>				
<b>Year/level</b>	<b>Course or course code</b>	<b>Name of the course or course</b>	<b>Credit hours</b>	
			<b>theoretical</b>	<b>practical</b>
<b>2023/2024</b>				
<b>The first stage, the first semester</b>				
		<b>Medical physics1</b>	<b>2</b>	<b>4</b>
		<b>Anatomy1</b>	<b>2</b>	<b>4</b>
		<b>General physiology1</b>	<b>1</b>	<b>4</b>
		<b>General chemistry</b>	<b>2</b>	<b>4</b>
		<b>Biology</b>	<b>2</b>	<b>4</b>
		<b>Computer principles1</b>	<b>1</b>	<b>2</b>
		<b>Human rights and democracy</b>	<b>1</b>	<b>1</b>
		<b>English</b>	<b>3</b>	
<b>The first stage, the second semester</b>				
		<b>Medical physics2</b>	<b>2</b>	<b>4</b>
		<b>Anatomy2</b>	<b>2</b>	<b>4</b>
		<b>General physiology2</b>	<b>1</b>	<b>4</b>
		<b>Biochemistry</b>	<b>2</b>	<b>4</b>
		<b>Microbiology</b>	<b>2</b>	<b>4</b>
		<b>Computer principles2</b>	<b>1</b>	<b>2</b>
		<b>Arabic</b>	<b>2</b>	<b>-</b>
<b>The second stage, the first semester</b>				
		<b>Foundations of anesthesia1</b>	<b>2</b>	<b>4</b>
		<b>Basics of anesthesia devices1</b>	<b>2</b>	<b>4</b>
		<b>Applied physiology1</b>	<b>2</b>	<b>4</b>
		<b>Fundamentals of</b>	<b>1</b>	<b>4</b>

		<b>surgery1</b>		
		<b>Foundations of internal medicine1</b>	<b>2</b>	<b>4</b>
		<b>Pharmaceuticals1</b>	<b>2</b>	<b>2</b>
		<b>medical terminology</b>	<b>2</b>	<b>-</b>
<b>The second stage, the second semester</b>		<b>Foundations of anesthesia2</b>	<b>2</b>	<b>4</b>
		<b>Basics of anesthesia devices2</b>	<b>2</b>	<b>4</b>
		<b>Applied physiology2</b>	<b>2</b>	<b>4</b>
		<b>Fundamentals of surgery2</b>	<b>1</b>	<b>4</b>
		<b>Foundations of internal medicine2</b>	<b>2</b>	<b>4</b>
		<b>Pharmaceuticals2</b>	<b>2</b>	<b>2</b>
		<b>Biostatistics</b>	<b>1</b>	<b>2</b>
<b>The third annual stage</b>				
		<b>Anesthesia2</b>	<b>3</b>	<b>5</b>
		<b>Anesthesia device techniques2</b>	<b>2</b>	<b>5</b>
		<b>Intensive care techniques1</b>	<b>2</b>	<b>5</b>
		<b>Surgery2</b>	<b>1</b>	<b>3</b>
		<b>Internal Medicine2</b>	<b>2</b>	<b>3</b>
		<b>Computer applications</b>	<b>1</b>	<b>2</b>
<b>The fourth annual stage</b>				
		<b>Anesthesia3</b>	<b>2</b>	<b>4</b>
		<b>Anesthesia device techniques3</b>	<b>4</b>	<b>2</b>
		<b>Surgical internal medicine</b>	<b>1</b>	<b>4</b>
		<b>Nursing</b>	<b>1</b>	<b>4</b>
		<b>Intensive care techniques2</b>	<b>2</b>	<b>4</b>
		<b>The project</b>	<b>-</b>	<b>5</b>

## 8. Expected learning outcomes of the programme

Knowledge	
Preparing cadres specialized in anesthesia techniques	Managing operating theaters and intensive care units in government hospitals and the private sector <sup>1</sup>
Skills	
Working on anesthesia machines	
Value	
Preparing cadres specializing in anesthesia techniques who hold a bachelor's degree <sup>4</sup>	The ability to prepare graduates in the specialty of anesthesia techniques

## 9. Teaching and learning strategies

Blended education, which consists of in-person education, including classrooms with smart screens and specialized educational laboratories according to academic subjects, in addition to electronic communication with students for the purpose of assigning some assignments and instructions.

## 10. Evaluation methods

Implementing it in all stages of the program in general.

## 11. education institution

Faculty members						
Scientific rank	Specialization		Special requirements/skills (if any)		Preparing the teaching staff	
	general	private			angel	lecturer
Mr. Dr. Angham Jassim Muhammad Ali	Life sciences	immunity	Dean		Yes	
A.M.D. Raad Ajam Sayel	Microbiology	Medical parasitology	Assistant Dean		Yes	
M.D. Ali Muhammad Abd Hammoud	Life sciences	Microbiology	Head of Department		Yes	



M. Ahmed Rahi Abdel	Life sciences	heredity	Department course/evening study		Yes	
millimeter. Waiting for Riad Lafta	Life sciences	Microbiology	Department course/morning study		Yes	
M. Inaam Mahdi Daoud	Life sciences	Life sciences	Teaching		Yes	
M.D. Abu Talib Hashem Ahmed			Teaching		Yes	
millimeter. Hadeel Thaer Ahmed			Teaching		Yes	
millimeter. Ali Ghanem Abdullah			Teaching		Yes	
millimeter. Abeer Azim Taima			Teaching		Yes	
millimeter. Zeina Mohammed Hatem			Teaching		Yes	
millimeter. Hassanein Fadel Muhammad			Teaching		Yes	
millimeter. Haider Abdel Moneim Mohamed	Life sciences	mushrooms	Teaching		Yes	
millimeter. Fatima Hamza Muhammad			Teaching		Yes	
millimeter. Zahraa Jalil Salman			Teaching		Yes	
millimeter. Ammar Karim Madloul			Teaching		Yes	
millimeter. Hussein Attia Saleh			Teaching		Yes	
millimeter. Ruqaya Saad Naji			Teaching		Yes	
millimeter. Salam Razzaq Muftah			Teaching		Yes	
Reda Dawoud Abdel Reda			Technical		Yes	
Alaa Hassan's prayer			Technical		Yes	
Shatha Abdel Zahra Abboud			Technical		Yes	
Ahmed Adnan Abdel Hussein					a contract	


### **Professional development**

#### **Orienting new faculty members**

- Adherence to official working hours.
- Commitment 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 for faculty members**

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

### **12. Acceptance Criterion**

The admission plan for the Department of Medical Laboratory Technology is 100 morning students and 100 evening students.

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

The official website of the college and university.

### **14. Program Development Plan**

The strategic plan for developing the educational program is described by the department and members of the Scientific Committee.

### Program skills chart

				Outputs Learning required from the program													
the year / the level	Code The decision	name The decision	Essential or optional?	Knowledge				Skills				Value					
				a1	a2	a3	a4	B1	B2	B3	B4	C1	C2	C3	C4		
The first the chapter Academic the first		Medical physics1	Basic	Yes													
		Anatomy1	Basic	Yes													
		General physiology 1	Basic	Yes													
		General chemistry	Basic	Yes													
		Biology	Basic	Yes													
		Computer principles1	Basic	Yes													
		Human rights and democracy	Basic	Yes													
		English	Basic	Yes													
the chapter		Medical	Basic	Yes													

<b>Academic the second</b>		<b>physics2</b>															
		<b>Anatomy2</b>	<b>Basic</b>	<b>Yes</b>													
		<b>General physiology 2</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Biochemist ry</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Microbiolo gy</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Computer principles2</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Arabic</b>	<b>Basic</b>	<b>Yes</b>													
<b>the second the chapter the first</b>		<b>Foundation s of anesthesia1</b>															
		<b>Basics of anesthesia devices1</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Applied physiology 1</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Fundament</b>	<b>Basic</b>	<b>Yes</b>													

		<b>als of surgery1</b>															
		<b>Foundation s of internal medicine1</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Pharmaceu ticals1</b>	<b>Basic</b>	<b>Yes</b>													
		<b>medical terminolog y</b>	<b>Basic</b>	<b>Yes</b>													
<b>the second the chapter the second</b>		<b>Foundation s of anesthesia2</b>															
		<b>Basics of anesthesia devices2</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Applied physiology 2</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Fundament als of</b>	<b>Basic</b>	<b>Yes</b>													

		surgery2														
		Foundations of internal medicine2	Basic	Yes												
		Pharmaceuticals2	Basic	Yes												
		Biostatistics	Basic	Yes												
Third																
		Anesthesia 2	Basic	Yes												
		Anesthesia device techniques 2	Basic	Yes												
		Intensive care techniques 1	Basic	Yes												
		Surgery2	Basic	Yes												

		<b>Internal Medicine2</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Computer application s</b>	<b>Basic</b>	<b>Yes</b>													
<b>Fourth</b>		<b>Anesthesia 3</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Anesthesia device techniques 3</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Surgical internal medicine</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Nursing</b>	<b>Basic</b>	<b>Yes</b>													
		<b>Intensive care techniques 2</b>	<b>Basic</b>	<b>Yes</b>													
		<b>The project</b>	<b>Basic</b>	<b>Yes</b>													

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



