

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



. Academic Program and course Description Guide

. 2024

Introduction:

The educational program is a coordinated and organized package of courses that include procedures and experiences organized in the form of academic vocabulary whose main purpose is to build and refine the skills of graduates, making them qualified to meet the requirements of the labor market, which is reviewed and evaluated annually through internal or external audit procedures and programs such as the external examiner program.

The academic program description provides a summary of the main features of the program and its courses, indicating the skills students are working to acquire based on the academic program objectives. The importance of this description is evident because it represents the cornerstone of obtaining program accreditation, and faculty members participate in writing it under the supervision of the scientific committees in the scientific departments.

This guide, in its second edition, includes a description of the academic program after updating the vocabulary and paragraphs of the previous guide in light of the latest developments in the educational system in Iraq, which included a description of the academic program in its traditional form (annual, quarterly), in addition to adopting the description of the academic

program circulated according to the book of the Department of Studies 3/2906. On 5/3/2023 with regard to programs that adopt the Bologna Process as a basis for their work.

In this area, we can only emphasize the importance of writing descriptions of academic programs and courses to ensure the smooth conduct of the educational process.

Concepts and Terminology:

Academic Program Description: The description of the academic program provides a 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 necessary summary of the most important characteristics of the course and the learning outcomes that the student is expected to achieve, demonstrating whether he or she has 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 a developed, inspiring, motivating, realistic, and applicable program.

The Program's Mission: It briefly explains the goals and activities necessary to achieve them, and also defines the program's development paths and directions.

Program Objectives: These 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/study subjects included in the academic program according to the approved learning system (semester, annual, Bologna track), whether it is a requirement (ministry, university, college, or scientific department), along with the number of study units.

Learning Outcomes: A consistent set of knowledge, skills, and values that the student has acquired after the successful completion of the academic program. The learning outcomes for each course must be determined in a way that achieves the program objectives.

Teaching and Learning Strategies: They are the strategies used by the faculty member to develop the student's teaching and learning, and they are plans that are followed to reach the learning goals. That is, it describes all curricular and extracurricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name:.....

College/Institute: College: Al-Safwa University College

Scientific Department: Department of Anesthesia Techniques.....

Name of the academic or professional program: Bachelor of Anesthesia Techniques **Name of Final Degree:** Bachelor of Science in. Anesthesia.....

Academic System: Annual

Description preparation date: 10 /5 / 2023

Date of filling the file: 13/03/2024

Signature

Name of Scientific Assistant:

Signature

Name of Department Head:

Date:

Date:

Check the file by

Division of Quality Assurance and University Performance.

Name of the Director of the Quality Assurance and University Performance

Division:

Date:

Signature

Dean's approval

1. Program Vision

Al Safwa University College seeks to be one of the leading higher education institutions in the field of modern education and scientific research through its scientific, research and administrative activities. It also works to provide an integrated path for its students and professors to make them active and creative in serving society in all fields.

2. Program Message

Working to prepare and graduate leading scientific and leadership competencies in anesthesia techniques and to develop the balance of knowledge in the field of scientific research to serve the local, regional and international community, as well as training and refining the minds of students scientifically and cognitively, and emphasizing social and cultural values and responding to the requirements of the local market.

3. Program Objectives

1. Embodying the vision, mission and goals of Al-Safwa University College, and applying the best educational practices with a focus on ensuring and enhancing quality and performance.

Preparing specialized cadres capable of serving the community and preparing for the preparation of future specializations.

3. Spreading the culture of human diversity in society, transferring scientific knowledge and skills, writing academic research, and creative scientific achievement through student- and teaching-focused activities.

4. The college seeks to conclude scientific and cultural cooperation agreements with corresponding colleges and corresponding departments in different colleges to achieve best practices in the fields of education and learning.

5. Focusing on the educational and moral aspects of all its members and spreading the spirit of dedication, tolerance, commitment and work to serve the nation.

6. Paying attention to intellectual and cultural construction through openness to the experiences of other countries in all fields of education.

7. Focusing on the educational and moral aspects of the student and instilling a spirit of dedication, tolerance and commitment.

4. Programmatic Accreditation

Theoretical and practical study

5. Other External Influences

Laboratories, libraries, hospitals, Internet

6. Program Structure

Program Structure	Number of courses	Study unit	Percentage	Note
Enterprise Requirements	15	4		Secondary course
College Requirements	yes			
Department Requirements	yes			
Summer Training	NO			
Other				

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

7. Program Description			
Year/Level	Course Name	Course or Course Code	Credit Hours
2023-2024 / second	Applied physiology		Theoretical 2 hour per w. practical 4 hours per w.

8. Expected Learning Outcomes Of The Program
Knowledge
1. Learn the student the function of different body organs 2. Apply this knowledge in medical and emergent condition in relation to the anesthetic job.

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Skills
1. knowledge of the body's vital functions, such as the respiratory, cardiac, and vascular systems, and their relationship with anesthesia. 2. To be able to identify some disorders and pathological conditions and their effect on anesthesia 3. To be able to use laboratory equipment 4. To perform various clinical examinations of the body
Values
1. Developing students' abilities to respect the privacy of patients. 2. Developing students' abilities in sharing ideas and scientific and practical skills .
9. Teaching and Learning Strategies
1-Using presentations through the PowerPoint program to explain the scientific material and using illustrations and the intended goals of the scientific topics being explained. 2- Use the Classroom platform to display summaries and answer students' questions 3- Using scientific posters to facilitate memorization of scientific material 4-Writing a review paper summarizing the most important ideas presented during the lectures. 5-Linking the educational ideas of the material with the critical opinions of students.
10. Evaluation Methods
1. Scientific discussion, oral dialogue, monthly and final exams. 2. Study groups 3. Seminar 4. Homework. 5. Practical activities and case studies. 6. Writing and submitting reports and taking notes on the medical experiences gained in field visits and summer training. 7. Proficiency tests to determine the level of learner acquisition of information and skills in a course that has been previously learned on questions and paragraphs that represent the content of the course.

11. Faculty					
Faculty Members					
Preparation of the teaching staff		Special Requirements/Skills (if applicable)	Specialization		Academic Rank
Lecturer	Staff		special	General	
	Staff		Msc.pulmonology	MBCHB medicine	Assistant Lecturer
12. Program Development Plan					
A. Students provide feedback at the end of the module, which is used to review and improve the module. B. The department's board and faculty meet with students regularly and provide a forum in which any aspect of teaching can be discussed. C. Involving students in the membership of the board of directors of the department and the college to discuss topics related to the development of the provision of scientific material. D. Periodic review of the decision by the department head .					

[illegible]

Course Description Form

1. Course Title:
Applied physiology
Course Code:
2. Semester / Year :
Year
3. The history of the preparation of this description
18/ 03/ 2024
4. Available Forms of Attendance:
Attendance (face-to-face learning)
5. Number of Credit Hours (Total) / Number of Units (Total):
6 hours per week 2 hour theoretical, 4 hours practical Number of Units: 4 units
6. Course administrator's name (if more than one name)
Zahraa Ali Tuama Email Zahraa.ali@alsafwa.edu.iq Hussein jawad Riyadh Abdul- khudhir

7. Course Objectives

1. knowledge of the body's vital functions, such as the respiratory, cardiac, and vascular systems, and their relationship with anesthesia.
2. To be able to identify some disorders and pathological conditions and their effect on anesthesia
3. To be able to use laboratory equipment
4. To perform various clinical examinations of the body

8. Teaching and Learning Strategies

Strategies

1. Education strategy collaborative concept planning.
2. Brainstorming education strategy.
3. Education Strategy Notes Series

9. Course Structure					
Evaluation Method	Learning Method	Unit Or Subject Name	Required Learning Outcomes	Horus	week
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Fluid stastus		2 hour	1
		Electrolyte status		2 hour	2
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Cardiac cycle		2 hour	3
				2 hour	4
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Electrical pathway in the heart		2 hour	5
				2 hour	6
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Spirometry and lung volumes		2 hour	7
				2 hour	8
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Action potential		2 hour	9
				2 hour	10
Quiz	Theoretical lecture	Coronary circulation		2 hour	11

Classroom activities Theoretical exams	Discussion			2 hour	12
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Cardiac blood supply and innervation		2 hour	13
				2 hour	14
				2 hour	15
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Respiratory failure and types of hypoxia		2 hour	16
				2 hour	17
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Gases transport Oxyhemoglobin dissociation curve		2 hour	18
				2 hour	19
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Acid base status and ABG		2 hour	20
				2 hour	21
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Vomiting and dehydration		2 hour	22
				2 hour	23
Quiz	Theoretical lecture	Heat loss during anesthesia		2 hour	24

Classroom activities Theoretical exams	Discussion			2 hour	25
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Cerebral circulation		2 hour	26
				2 hour	27
Quiz Classroom activities Theoretical exams	Theoretical lecture Discussion	Physiological differences between adult and children		2 hour	28
				2 hour	29
		Effect of smoking on anesthesia and smoking cessation		2 hour	30

10. Course Evaluation

The distribution is as follows: 40 marks for the midcourse exam ,60 marks for the end course exam for the first semester.

40 marks midcourse exam ,60marks for the end course exam for the second semester.

11. Learning and Teaching Resources	
Required textbooks (methodology, if any)	Oxford handbook of anesthesia
Main references (sources)	Pharmacology and physiology for anesthesia, foundation and clinical application 2 nd edition 2013
Recommended books and references (Scientific journals, reports...)	Pharmacology and physiology in anesthetic practice ,fifth edition 2015 •
Electronic References, Websites	