

Ministry of Higher Education and Scientific Research

Scientific supervision and evaluation device

**Department of Quality Assurance and Academic Accreditation
Accreditation Department**



Academic program and course description guide

2024

Introduction:

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

The description of the academic program provides a brief summary of the main features of the program and its courses, indicating the skills that students are working to acquire based on the objectives of the academic program. The importance of this description is evident because it represents the cornerstone of obtaining program accreditation, and the teaching staff participates 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.

Terminology and description of the academic program: The description of the academic program 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 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 programme.

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 programme.

Academic program description form

University name: Al-Safwa University College

College/College: Al Safwa University College

Scientific Department: Department of Anesthesia Techniques

Name of the academic or professional program: Master of Science in Chemistry

Full name of subjects: Master of Science in Chemistry

Academic system: annual

Description preparation date: 05/10/2023

Date of filling the file: 03/12/2024

the signature:

Name of department head: Prof. Dr. Kadhim Abbas Al-Hilali

Date:

Signature:

Name of the Assistant Scientific Dean: Prof. Haider Al-Gharabi

Date:

Check the file before

Division of Quality Assurance and University Performance

Name of the Director of the Quality Assurance and University Performance Division:

the date :

the signature:

Authentication of the Dean

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 various fields.

1. Program message

Working to prepare and graduate leading scientific and leadership competencies in various scientific and humanitarian fields 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.

1. Program objectives

1. Embodying the vision, mission and goals, and applying the best educational practices with a focus on ensuring and enhancing quality and performance.
2. 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 knowledge and linguistic 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.

1. Programmatic accreditation
Nothing

1. Other external influences
Nothing

1. Program structure				
Notes *	Percentage	Study unit	Number of courses	Program structure
Basic course			2 course	Enterprise requirements
				College requirements
				Department requirements
				summer training
				Other

* Notes may include whether the course is core or elective.

2. Program description				
Hours		Name Credit	course code	Year/level
Practical	Theoretical	General chemistry		/2024-2023 First stage
	20hours			

1. Expected learning outcomes of the program
Knowledge

2- Teaching and learning strategies

3- Evaluation methods
Weekly, semi-final and final exams.

4- The teaching staff						
preparation of the teaching staff		requirements/skills (if any)		specialization,		Academic rank
lecturer				private	General	
				chemistry science	chemistry science	Assistant teacher

Professional development
Orienting new faculty members
Professional development for faculty members

Acceptance criterion
Program development plan

Course description form

1. Course name:	
General chemistry	
2. Course code:	
3. Semester/Year:	
First semester/first year	
4. The date this description was prepared	
2024/3/12	
5. Available attendance forms:	
Attendance study	
6. Number of study hours (total)/number of units (total):	
30 hours for the first semester	
7. Name of the course administrator (if more than one name is mentioned)	
Name: assist lecture Furqan Kifah Kadhim Email:	
8. Course objectives	
It is to provide students with a sound theoretical background in chemical principles that are necessary for the practice of chemical analysis. It enables students to understand the importance of judging the accuracy and precision of experimental data and quantitative analysis techniques, as well as showing that theory often serves as a useful guide to solving analytical problems.	
9. Teaching and learning strategies	
- Brainstorming strategy - Teamwork strategy - Discussion strategy - Case study strategy - Inductive teaching strategy - Milli conceptual mapping strategy	

-Field training strategy - Self-learning strategy -E-learning strategy -Study strategy - Conclusion strategy - Spaced practice strategy - Strategy for switching between ideas - Strategy for providing examples					
1. Course structure					
evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Hours	Week
Assignments, oral and written theoretical exams, mid-semester and semester	the blackboard PowerPoint slides	Introduction about the blood		2	1
		PH of blood		2	2
		Introduction about carbohydrates		2	3
		Classification of carbohydrates		2	4
		Main carbohydrates in human body		2	5
		Metabolism of carbohydrates		2	6
		Glucose level in the blood		2	7

		Hormones control the glucose level		2	8
		Disorder caused by glucose level in the blood		2	9
		Diabetes mellitus, ketone bodies, hypoglycemia, hyperglycemia, Acidification		2	10
		Glucose tolerance		2	11
		Lipids			
		Classification of lipids		2	12
		Cholesterol, Triglycerides			13
		Digestive of lipids		2	14
				2	15
2. Course evaluation					
Distribution is as follows: 20 marks for mid-semester exams and 5 assessment marks. 15 marks for practical and 60 marks for final exams					
3. Learning and teaching resources					
Lippincott's			Required textbooks (methodology, if any)		
			Reference) Main references(		
			Recommended supporting books and references (scientific journals, reports....)		

	Electronic references, Internet sites