

**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.

## Course Description Form

<b>1. Course Name:</b>	
Financial Mathematics	
<b>2. Course Code:</b>	
<b>3. Semester / Year:</b>	
quarterly	
<b>4. Description Preparation Date:</b>	
2023/2024	
<b>5. Available Attendance Forms:</b>	
My presence only	
<b>6. Number of Credit Hours (Total) / Number of Units (Total)</b>	
30 hours / 30 units	
<b>7. Course administrator's name (mention all, if more than one name)</b>	
Name: A.M.D. Aqeel Abd Muhammad Email : <a href="mailto:aqeel.abas@unbasrah.edu.iq">aqeel.abas@unbasrah.edu.iq</a> M.M. Abdullah Muhammad Radi	
<b>8. Course Objectives</b>	
1-Providing the student with a cognitive skill about the concept, specifications, importance and application of financial mathematics and its development related to financial and banking work, 2-The student is also provided with information on how to calculate various types of interest, calculate payments, methods of paying and replacing debts, evaluating small projects, tenders and bonds, studying discounts of all kinds, and cutting commercial papers in banks.	
<b>9. Teaching and Learning Strategies</b>	
<b>Strategy</b>	1-Method of giving lectures 2-Student groups

3-Workshops  
4- Reports and studies

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Simple interest	1- Definition of interest 2-Types of interest 3-The law of simple interest 4- Calculating the period using simple interest	Lectures/class	Questions and discussion
2	2	Simple interest(simple interest account)	1-Proportional rates 2-The difference between commercial interest and correct interest	Lectures/class	Questions and discussion
3	2	Simple interest (gross or earned value)	1-A single sum 2- A total of several amounts	Lectures/class	Questions and discussion
4	2	Simple interest (gross or earned value)	1- Total equal payments, their definition and types 2- Total payments at the beginning of the term 3- Total end-of-term payments	Lectures/class	Questions and discussion
5	2	Simple interest (discount or present value)	1- Definition of present value 2-The present value of a single amount 3- Trade discount and correct discount	Lectures/class	Questions and discussion
6	2	Simple interest (discount or present value)	1-The present value of several amounts 2-The present value of equal payments at the beginning of the period 3-The current value of equal payments at the end of the period	Lectures/class	Questions and discussion
7	2	Simple interest (discount on commercial papers at the bank)	1- Definition of the process of discounting commercial papers at the bank) 2-Calculate the net present value	Lectures/class	Questions and discussion
8	2	Simple interest (commercial paper parity or debt replacement)	1-The concept of equivalence or exchange of commercial papers 2- The condition of parity 3- Replacement or equivalence of a commercial paper with a commercial paper in the absence of a settlement date and in the event that a settlement date exists	Lectures/class	Questions and discussion
9	2	the first exam			

10	2	Compound interest	1-The basic law of compound interest 2-Calculating the duration and rate with compound interest 3-Calculate the interest amount on a compound basis	Lectures/class	Questions and discussion
11	2	Total compound interest or value earned)	1-The sentence with compound interest 2-Proportionate rates 3- A total of several amounts	Lectures/class	Questions and discussion
12	2	Total compound interest or value earned)	1- Total equal payments, their definition and types 2- Total payments at the beginning of the term 3- Total end-of-term payments	Lectures/class	Questions and discussion
13	2	Compound interest (discount or present value)	1-The present value of a single amount	Lectures/class	Questions and discussion
14	2	Simple interest (discount or present value)	1-The present value of several amounts 2-The present value of equal payments at the beginning of the period 3-The current value of equal payments at the end of the period	Lectures/class	Questions and discussion
15	2	Second exam			

### 11.Course Evaluation

The distribution of grades is as follows:

25 marks for the first exam.

25 marks for the second exam.

50 marks for final exams

### 12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	1- Financial mathematics 2- Financial investment
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	