



Faculty of Islamic Sciences/ Warith Al-Anbiya  
University

Course Description Template

The course description provides a summary of the most important course characteristics and the learning outcomes expected of the student to achieve, demonstrating whether they have made the most of the available learning opportunities. It should be linked to the description of the program.

<b>1. College</b>	College of Islamic Sciences / Warith Al-Anbiya University
<b>2. Scientific Department</b>	Department of Islamic Banking and Finance
<b>3. Teaching Name</b>	Eng. Mohammed Haider Mohammed
<b>4. Stage</b>	The second
<b>5. Course Name/Code</b>	Mathematics (1)
<b>6. Semester / Year</b>	Second Semester
<b>(Number of Hours )Total .7</b>	30
<b>Date of this description .8</b>	15-9-2024

**9. Course Objectives**

Introducing the basics of financial mathematics and its uses in banking and business administration.

Linking mathematics to the financial aspect and its applications in various joints of banking, administrative and financial work.

Enriching the student with basic mathematical information that paves the way for entering practical life.

<b>10. Course Outputs and Methods of Teaching, Learning and Assessment</b>
<p>A. Cognitive Objectives</p> <p>A1. Knowing the relationship between mathematics and finance</p> <p>A2. Application of mathematics in the financial field.</p> <p>A3- The use of financial mathematics in banks</p> <p>A4. Using Financial Mathematics in Business Administration</p> <p>A5- Linking financial mathematics to the investment sector</p>
<p><b>B. Skills objectives of the course</b></p> <p>B1 - Ability to understand and deal with the fundamentals of financial mathematics</p> <p>B2 – Ability to summarize, read and understand the lesson</p> <p>B3 – Ability to discuss in class</p> <p>B4- The ability to solve mathematical problems related to the study class.</p>
<b>Teaching and learning methods</b>
Solving mathematical problems related to financial mathematics presented in weekly lectures
<b>Evaluation methods</b>
Theoretical exams (daily, monthly and quarterly) and answering daily questions in lectures
<p><b>C. Emotional and Value Goals</b></p> <p>A1- Conviction that financial mathematics is an integral part of the world of finance and business</p> <p>C2. Conviction of the necessity of taking the course and the desire to understand all its details.</p> <p>C3. Ability to read the course and solve the tasks associated with it with enthusiasm.</p>
<b>Teaching and learning methods</b>
Continuous Mentoring of Students Ongoing discussions with students to reach a deeper understanding of the course
<b>Evaluation methods</b>

<p>Student Participation in the Classroom Regarding the Course  Discussions with students in the course  Continuous interviews of the student and his observation by the teaching staff</p>
<p>d. General and qualifying skills transferred (other skills related to employability and personal development).  D1- Speed in acquiring information and the ability to make optimal use of it  D2. Self-learning skills  D3. Communication skills and the ability to deal with incoming information</p>

<b>11. Course Structure</b>					
Evaluation Method	Method of education	Unit Name/Topic	Required Learning Outcomes	Hours	The week
Exams	Lectures	Mathematics (1)	Introduction to the basics of simple interest	2	The first
Exams	Lectures	Mathematics (1)	The Shortcut Method of Calculating Interest and Sentence	2	Second
Exams	Lectures	Mathematics (1)	Equal periodic payments	2	Third
Exams	Lectures	Mathematics (1)	Short-term loan repayment	2	Fourth
Exams	Lectures	Mathematics (1)	Debt Discount and Cutting Commercial Papers	2	V
Exams	Lectures	Mathematics (1)	Short-Term Debt Replacement	2	Sixth
Exams	Lectures	Mathematics (1)	Wholesale Compound Interest	2	Seventh

Exams	Lectures	Mathematics (1)	Community values with compound interest	2	Eighth
Exams	Lectures	Mathematics (1)	Total Equal Periodic Payments with Compound Interest	2	Ninth
Exams	Lectures	Mathematics (1)	Present Value of Equal Periodic Payments	2	X
Exams	Lectures	Mathematics (1)	Repayment and deferral of long-term loans	2	Eleventh
Exams	Lectures	Mathematics (1)	Replacement of long-term loans	2	Twelfth
Exams	Lectures	Mathematics (1)	Bond Valuation	2	Thirteenth
Exams	Lectures	Mathematics (1)	Depreciation of bonds	2	Fourteenth
			examination	2	Fifteenth

<b>12. Infrastructure :</b>	
The Mathematics of Money and Investment (Simple and Compound Benefits) Prof. Dr. Abdel Salam Lifta Saeed /2013	1- Required Textbooks
Significance Mathematics Book/ Dr.M. Mustafa Obeid 2000	2- Key Reference(s)
Scientific Journals in the Core Specializations	1) Recommended Books and References (Scientific Journals, Reports, .....)

Websites specialized in the study of the Dadah	2) Electronic References, Websites
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### **13. Course Development Plan (Suggested Vocabulary)**

Focusing on the applied aspects in the field of specialization, through:

- Assigning students to projects to apply theoretical concepts and formulas in realistic scenarios.
- Integrate software tools, such as Excel, to analyze financial data.
- Organizing group workshops and activities to promote group learning.

**Approval of the Head of the Department Approval of the Dean of the College**