1.	أسم المقرر:	
	Financial mathematics	
2.	رمز المقرر:	
3.	الفصل / السنة:	
	second course	
4.	تاريخ أعداد هذا الوصف:	
	2024/10/1	
5.	أشكال الحضور المتاحة:	
	In-person + online (when need	
6.	عدد الساعات الدراسية (الكلي) / عدد الوحدات (الكلي) :	
	3hours / 3 units	
7.	أسم مسؤول المقرر الدراسي	
	الاسم: م.م. عبدالرحمن علي حسن الإيميل: abdulrahman.ali@uowa.edu.iq	

8.	أهداف المقرر	
✓ A. Educating the student and providing him with experience in understanding the concept of financial mathematics. ✓ B. Learning the concept of simple interest. ✓ C. Learning how to find the amount of interest. ✓ C. Learning how to determine the interest period. ✓ C. Learning how to calculate discount.		Course objectives

9.	استراتيجيات التعليم والتعلم
✓ ☐ Theoretical lectures supported by presentations (Mindomo). ✓ ☐ Classroom discussions and mathematical problem solving. ✓ ☐ Project-based learning (preparing short reports and research). ✓ ☐ Training on how to formulate mathematical models for economic problems. ✓ ☐ Utilizing electronic and library resources.	

10.	بنية المقرر				

The week	Watches	Required learning outcomes	Unit name/ topic	Teaching method	Evaluation Method
1	3	A brief overview of	A brief overview	a	Daily

		financial mathematics	of financial mathematics	lecture	
2	3	Review previous . courses	Review of some previous courses	a lecture	Daily
3	3	Simple interest	Simple interest	a lecture	Daily
4	3	Simple interest calculation methods	Al-Nimr and Al-Qawasim method of calculating simple interest	a lecture	Daily
5	3	Simple interest calculation methods	Regular equal payments method	a lecture	Daily
6	3	Daily exam	Daily exam	Exam	Exam
7	3	Benefits	Nominal and real interest	a lecture	Daily
8	3	First month exam	First month exam	Exam	Exam
9	3	Trade discount	Trade discount	a lecture	Daily
10	3	Compound interest	Compound interest	a lecture	Daily
11	3	Compound interest	Method of calculating compound interest	a lecture	Daily
12	3	Loan amortization schedule	Loan amortization schedule	a lecture	Daily
13	3	Daily exam	Daily exam	exam	Exam
14	3	Loan amortization schedule	Loan amortization schedule	a lecture	Daily
15	3	Second month exam	Second month exam	exam	Exam

11. تقييم المقرر

The grade is distributed out of 100 based on the student's assigned tasks, such as daily preparation, daily, oral, and monthly exams, written work, reports, etc.
A. Classroom preparation and participation: 10 points
B. Quizzes: 10 points
C. Reports and assignments: 10 points
D. Monthly exam: 20 points
E. Final exam: 50 points
أ. F. Total = 100 points

		12. **مصادر التعلم والتدريس**
لايوجد		**الكتب المقررة المطلوبة**
Book (Financial Mathematics, Muhammad Badawi) - Book (Financial Mathematics, Adnan Karim Najm Al-Din).		**المراجع الرئيسة**
		الكتب والمراجع الساندة التي يوصى بها
Journals and scientific research in economic mathematics		**المراجع الالكترونية، مواقع الانترنيت**