



1. General information

Course: FINANCIAL MATHEMATICS

Type: CORE COURSE

Degree: 319 - UNDERGRADUATE DEGREE IN BUSINESS MANAGEMENT AND ADMINISTRATION (CU)

Center: 401 - FACULTY OF SOCIAL SCIENCES OF CUENCA

Year: 1

Main language: Spanish

Use of additional languages:

Web site:

Code: 54308

ECTS credits: 6

Academic year: 2021-22

Group(s): 30

Duration: C2

Second language:

English Friendly: N

Bilingual: N

Lecturer: JUAN MIGUEL NAVE PINEDA - Group(s): 30

Building/Office	Department	Phone number	Email	Office hours
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Lecturer: PIEDAD PANDURO GALLEGO - Group(s): 30

Building/Office	Department	Phone number	Email	Office hours
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Lecturer: PIEDAD PANDURO GALLEGO - Group(s): 30

Building/Office	Department	Phone number	Email	Office hours
Despacho 3.19	ANÁLISIS ECONÓMICO Y FINANZAS	4254	piedad.panduro@uclm.es	

2. Pre-Requisites

Not established

3. Justification in the curriculum, relation to other subjects and to the profession

Not established

4. Degree competences achieved in this course

Course competences

Code	Description
E02	Develop and enhance entrepreneurship, adaptability to change and creativity in any functional area of a company or organization.
E09	Ability to carry out a financial evaluation of the different assets of a company at different points in time and at different levels of risk.
E13	Ability to make logical representative models of the business reality
G01	Possession of the skills needed for continuous, self-led, independent learning, which will allow students to develop the learning abilities needed to undertake further study with a high degree of independence.
G04	Ability to use and develop information and communication technologies and to apply them to the corresponding business department by using specific programmes for these business areas.
G05	Capacity for teamwork, to lead, direct, plan and supervise multidisciplinary and multicultural teams in both national and international environments so as to create synergies which benefit organisations.

5. Objectives or Learning Outcomes

Course learning outcomes

Description

Apply the quantitative analysis of the company and its environment.

Know the exchange of economic resources over time between individuals, companies and financial institutions, which involves the analysis of investment decisions and financing in the company, the theory of portfolios, the valuation of assets and the functioning of the financial markets.

Search for information, analysis, interpretation, synthesis and transmission.

Work to form autonomous and with personal initiative.

6. Units / Contents

Unit 1:

Unit 2:

Unit 3:

Unit 4:

Unit 5:

7. Activities, Units/Modules and Methodology							
Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Class Attendance (theory) [ON-SITE]	Lectures	E02 E09 E13 G01 G04 G05	1.33	33.25	N	-	
Class Attendance (practical) [ON-SITE]	Combination of methods	E02 E09 E13 G01 G04 G05	0.67	16.75	N	-	
Problem solving and/or case studies [ON-SITE]	Problem solving and exercises	E13 G01	0.1	2.5	Y	N	
Study and Exam Preparation [OFF-SITE]	Self-study	E13 G01 G04	2	50	N	-	
Other off-site activity [OFF-SITE]	Practical or hands-on activities	G01 G05	1.8	45	Y	N	
Final test [ON-SITE]	Assessment tests	G01 G04 G05	0.1	2.5	Y	Y	
Total:			6	150			
Total credits of in-class work: 2.2			Total class time hours: 55				
Total credits of out of class work: 3.8			Total hours of out of class work: 95				

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System			
Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Other methods of assessment	30.00%	0.00%	
Final test	70.00%	100.00%	
Total:	100.00%	100.00%	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

9. Assignments, course calendar and important dates	
Not related to the syllabus/contents	
Hours	hours
Class Attendance (theory) [PRESENCIAL][Lectures]	33.25
Class Attendance (practical) [PRESENCIAL][Combination of methods]	16.75
Problem solving and/or case studies [PRESENCIAL][Problem solving and exercises]	2.5
Study and Exam Preparation [AUTÓNOMA][Self-study]	50
Other off-site activity [AUTÓNOMA][Practical or hands-on activities]	45
Final test [PRESENCIAL][Assessment tests]	2.5
Global activity	
Activities	hours
Other off-site activity [AUTÓNOMA][Practical or hands-on activities]	45
Class Attendance (theory) [PRESENCIAL][Lectures]	33.25
Final test [PRESENCIAL][Assessment tests]	2.5
Class Attendance (practical) [PRESENCIAL][Combination of methods]	16.75
Study and Exam Preparation [AUTÓNOMA][Self-study]	50
Problem solving and/or case studies [PRESENCIAL][Problem solving and exercises]	2.5
Total horas: 150	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
Cruz Rambaud, Salvador	Introducción a las matemáticas financieras	Pirámide		978-84-368-2176-5	2008	
Miner Aranzábla, Javier	Curso de matemática financiera	Mcgraw-Hill		978-84-481-6100-2	2008	
Bonilla Musoles, María	Matemática de las operaciones financieras : teoría y práctic	Thomson		84-9732-373-4	2006	
Deyá Tortella, Bartolomé	Análisis de las operaciones financieras I	Universitat de les Illes Balears, Servei de Pub		978-84-7632-977-1	2006	
Garcia Boza, Juan	Problemas resueltos de matemática de las operaciones financi	Pirámide		978-84-368-1703-4	2008	
Navarro Arribas, Eliseo	Fundamentos de matemáticas financieras	Antoni Bosch		84-95348-01-2	2001	
Sierra Fernández, María del Pilar	Préstamos bancarios : tipos y operativa : 50 ejercicios prá	Universidad de León, Secretariado de Publicacio		84-7719-965-5	2001	

González Velasco, María del Carmen	Análisis de las operaciones financieras (150 supuestos resue	Civitas	84-470-1618-8	2001
González Velasco, María del Carmen	Análisis financiero de los préstamos hipotecarios	Universidad de León, Secretariado de Publicacio	84-7719-966-3	2001
Navarro Arribas, Eliseo	Matemáticas de las Operaciones Financieras.	Pirámide	978-84-368-4050-6	2019
Valls Martínez, María del Carmen	Introducción a las matemáticas financieras : Problemas resue	Pirámide	978-84-368-2255-7	2009
Prieto Pérez, Eugenio.	Teoría matemática de las Operaciones Financieras	Gabinete Financiero	978-84-612-0033-7	2007
Baquero López, María José	Problemas resueltos de matemática de las operaciones financieras	AC Thomson	84-7288-194-6	2003