

UNIVERSIDAD DE CASTILLA - LA MANCHA GUÍA DOCENTE

Code: 38508

ECTS credits: 6

Academic year: 2023-24

Group(s): 20

Duration: C2

1. General information

Course: ELEMENTS OF PROBABILITY AND STATISTICS

Type: BASIC

Degree: 423 - UNDERGRADUATE DEGREE IN MATHEMATICS

Center: 603 - E.T.S. CIVIL ENGINEERS OF $\ensuremath{\mathsf{CR}}$

Main language: Spanish Second language: English

Use of additional

Year: 1

f additional English Friendly: Y languages:

Web site: Bilingual: N

Lecturer: IRENE GARCIA CAMACHA GUTIERREZ - Group(s): 20						
Building/Office	Department	Phone number	Email	Office hours		
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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

INFO-2023

5. Objectives or Learning Outcomes

Course learning outcomes

Description

Additional outcomes

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	INFO-2023	0.92	23	Υ	N			
Class Attendance (practical) [ON-SITE]	Project/Problem Based Learning (PBL)	INFO-2023	0.8	20	Υ	Y			
Laboratory practice or sessions [ON-SITE]	Combination of methods	INFO-2023	0.52	13	Υ	Y			
Writing of reports or projects [OFF-SITE]	Combination of methods	INFO-2023	1.2	30	Υ	Y			
Study and Exam Preparation [OFF-SITE]	Combination of methods	INFO-2023	2.4	60	Υ	N			
Progress test [ON-SITE]	Problem solving and exercises	INFO-2023	0.08	2	Υ	Y			
Final test [ON-SITE]	Assessment tests	INFO-2023	0.08	2	Υ	N			
	Total:			150					
	Total credits of in-class work: 2.4			Total class time hours: 60					
	Total credits of out of class work: 3.				Total hours of out of class work: 90				

As: Assessable training activity

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

Evaluation criteria and Grading System					
Evaluation System	Continuous assessment	Non- continuous evaluation*	Description		
Final test	70.00%	100.00%			
Laboratory sessions	20.00%	0.00%			
Assessment of active participation	10.00%	0.00%			
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
Progress test [PRESENCIAL][Problem solving and exercises]	2
Final test [PRESENCIAL][Assessment tests]	2
Unit 1 (de 5):	_
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	4
Class Attendance (practical) [PRESENCIAL][Project/Problem Based Learning (PBL)]	4
Laboratory practice or sessions [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Study and Exam Preparation [AUTÓNOMA][Combination of methods]	10
	10
Unit 2 (de 5):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	3
Class Attendance (practical) [PRESENCIAL][Project/Problem Based Learning (PBL)]	4
Laboratory practice or sessions [PRESENCIAL][Combination of methods]	1
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Study and Exam Preparation [AUTÓNOMA][Combination of methods]	5
Unit 3 (de 5):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	5
Class Attendance (practical) [PRESENCIAL][Project/Problem Based Learning (PBL)]	4
Laboratory practice or sessions [PRESENCIAL][Combination of methods]	2
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Study and Exam Preparation [AUTÓNOMA][Combination of methods]	15
Unit 4 (de 5):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	7
Class Attendance (practical) [PRESENCIAL][Project/Problem Based Learning (PBL)]	4
Laboratory practice or sessions [PRESENCIAL][Combination of methods]	4
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Study and Exam Preparation [AUTÓNOMA][Combination of methods]	20
Unit 5 (de 5):	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	4
Class Attendance (practical) [PRESENCIAL][Project/Problem Based Learning (PBL)]	4
Laboratory practice or sessions [PRESENCIAL][Combination of methods]	3
Writing of reports or projects [AUTÓNOMA][Combination of methods]	6
Study and Exam Preparation [AUTÓNOMA][Combination of methods]	10
Global activity	
Activities	hours
Class Attendance (theory) [PRESENCIAL][Lectures]	23
Final test [PRESENCIAL][Assessment tests]	2
Laboratory practice or sessions [PRESENCIAL][Combination of methods]	13
Progress test [PRESENCIAL][Problem solving and exercises]	2
Class Attendance (practical) [PRESENCIAL][Project/Problem Based Learning (PBL)]	20
Writing of reports or projects [AUTÓNOMA][Combination of methods]	30
Study and Exam Preparation [AUTÓNOMA][Combination of methods]	60
January and English repaired by the restreet all positions all the transfer of	Total horas: 150
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10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
Novo Sanjurjo, V. J.	Problemas de Cálculo de Probabilidades y Estadística. Cuadernos de la UNED	UNED	Madrid	978-8436229578	1993	

Grimmet, R. y Stirzaker, S.	Probability and Random Processes	Oxford Univ. press.	New York	978-0198847595	2020	
Sarrión, M.D.	Estadística Descriptiva	Mc Graw Hill	Madrid	978-8448183318	2013	
Ash., R. B.	Basic Probability Theory	Dover Books	New York	978-0486466286	2008	
	https://faculty.math.illinois.edu/~r-ash/BPT/BPT.pdf					
Quesada, V. y García, A.	Lecciones de cálculo de probabilidades	Díaz de Santos	Málaga	978-8486251840	2008	