

SUBJECT TEACHING GUIDE

1175 - Training in Research

Master's Degree in Nautical Engineering and Maritime Management

Academic year 2024-2025

1. IDENTIFYING DATA					
Degree	Master's Degree in Nautical Engineering and Maritime Management			Type and Year	Compulsory. Year 1
Faculty	School of Maritime Engineering				
Discipline	Training in Research				
Course unit title and code	1175 - Training in Research				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Web	http://www.unican.es/WebUC/catalogo/planes/				
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Combination of face-to-face and online training

Department	DPTO. CIENCIAS Y TECNICAS DE LA NAVEGACION Y DE LA CONSTRUCCION NAVAL				
Name of lecturer	FRANCISCO JOSE SANCHEZ DIAZ DE LA CAMPA				
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Office	E.T.S. de Náutica. Planta: + 2. DESPACHO (258)				
Other lecturers					

3.1 LEARNING OUTCOMES

- Utilization of leadership and management qualities in accordance with Rule AII / 2 of the STCW Convention.

4. OBJECTIVES

Master the tools for accessing information and for calculation applied in the management of maritime transport.

Acquiring adequate competence on basic statistics for data science

Reach the level of training necessary to perform the leadership and direct the operational management of a merchant ship

6. SUBJECT PROGRAM	
CONTENTS	
1	ONLINE TEACHING PERIOD. LESSON I. MICROSOFT EXCEL.
2	ONLINE TEACHING PERIOD. LESSON II. MODELS IN PLANING AND GRAVITY MODELS.
3	ONLINE TEACHING PERIOD. LESSON III. STATISTICAL VARIABLE. FREQUENCY TABLES
4	ONLINE TEACHING PERIOD. LESSON IV. STATISTICAL DATA AND STATISTICS PRESENTATION.
5	ONLINE TEACHING PERIOD. LESSON V. PROBABILITY DENSITY FUNCTION
6	ONLINE TEACHING PERIOD. LESSON VI. STATISTICAL PARAMETERS
7	ONLINE TEACHING PERIOD. TEMAS VII. STATISTICAL INFERENCE
8	CLASSROOM TEACHING PERIOD. PRACTICES.

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Final exam	Activity evaluation with Virtual Media	Yes	Yes	40,00
virtual teaching evaluation	Activity evaluation with Virtual Media	No	Yes	40,00
Class attendance	Others	No	No	20,00
TOTAL				100,00
Observations				
It is mandatory to have a minimum score of 5 to pass any exam The final exam (60%) will be done on the official date				
Observations for part-time students				
Same assessment conditions as any other students				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Lee, C. Modelos de planificación. Pirámide. 1975. ISBN 978-8436800272
Gómez, Julián Alberto Uribe. Fundamentos de control estadístico de procesos para gestores y administradores tecnológicos. Instituto Tecnológico Metropolitano – ITM ISBN:958-51-2234-0, 978-958-51-2234-5 Texto completo en línea en la biblioteca de la UC.
Stephen p. Shao . Statistics for business and economics. Charles E. Merrill Books, Inc. Ohio. Traducido: Romero E. Madrigal. "Estadística para economistas y administradores de empresas" Ed. Herrero Hermanos. Méjico. 1967
Grisales Aguirre, Andre´s Mauricio. Estadística descriptiva y probabilidad con aplicaciones en EXCEL y SPSS . Editorial:Ecoe Ediciones. ISBN:958-771-825-9, 978-958-771-825-6 Texto completo en línea en la biblioteca de la UC.