

## SUBJECT TEACHING GUIDE

### M1477 - Training in Research

#### Master's Degree in Nautical Engineering and Maritime Management

Academic year 2021-2022

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	M1477 - Training in Research		
Number of ECTS credits allocated	6	Term	Semester based (1)
Web	<a href="http://www.unican.es/WebUC/catalogo/planes/">http://www.unican.es/WebUC/catalogo/planes/</a>		
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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Other lecturers	

### 3.1 LEARNING OUTCOMES

- Utilization of leadership and management qualities in accordance with Rule All / 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. COURSE ORGANIZATION	
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. STATISTICAL PARAMETERS
6	ONLINE TEACHING PERIOD. LESSON VII. STATISTICAL INFERENCE APPLYING PROBABILITY DENSITY FUNCTIONS
7	ONLINE TEACHING PERIOD. TEMAS VIII. REGRESSION AND CORRELATION ANALYSIS
8	CLASSROOM TEACHING PERIOD. PRACTICES.

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Final exam	Activity evaluation with Virtual Media	Yes	Yes	60,00
Continuous assessment during virtual teaching	Activity evaluation with Virtual Media	No	Yes	40,00
TOTAL				100,00
Observations				
It is mandatory to have a minimum score of 4 in final exam to pass 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
Carrascal Arranz, Ursicino. Estadística descriptiva con Microsoft Excel 2010. Paracuellos de Jarama, Madrid : Ra-Ma, [2011] ISBN 978-84-9964-066-2
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