SUBJECT TEACHING GUIDE

G1058 - Radiocommunications

Degree in Nautical Engineering and Maritime Transport

Academic year 2020-2021

1. IDENTIFYING DATA					
Degree	Degree in Nautical Engineering and Maritime Transport			Type and Year	Compulsory. Year 3
Faculty	School of Maritime Engineering				
Discipline	Subject Area: Radiocommunications				
Course unit title and code	G1058 - Radiocommunications				
Number of ECTS credits allocated	6	Term		Semester based (2)	
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

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	JULIO BARROS GUADALUPE ANA ALEGRIA DE LA COLINA MARIA ANTONIA GONZALEZ VILLA

3.1 LEARNING OUTCOMES
- Acquiring adequate competence on Global Maritime Distress and Safety System (GMDSS)
- Keeping adequate navigational watch in accordance with Rule AII / I of the STCW Convention
- Ability to transmit and receive visual signals in accordance with Rule II/1 of the STCW Convention
- Ability to transmit and receive using Global Maritime Distress and Safety System equipment

4. OBJECTIVES
Training program that covers the scope and content of the training outlined in Section B-IV/2 of the STCW Convention.
Training program that covers the scope and content of the training outlined in rule IV/2 STCW Convention.
Training program that covers the scope and content of the training outlined in Section B-IV/2 of the STCW Convention

6. COURSE ORGANIZATION	
CONTENTS	
1	RADIO FREQUENCY SPECTRUM, RADIOWAVE RADIATION AND PROPAGATION, MODULATION AND DEMODULATION.
2	USE OF ENGLISH IN ORAL WRITTEN INTERACTIONS CONCERNING SAFETY OF HUMAN LIFE AT SEA
3	GENERAL PRINCIPLES AND BASIC CHARACTERISTICS OF MARITIME MOBILE SERVICE.
4	PRACTICAL KNOWLEDGE AND ENABLING THE STATIONS ONBOARD SHIPS.
5	OPERATIONAL PROCEDURES AND DETAILED OPERATION OF GMDSS
6	MAINTENANCE OF EQUIPMENT AND MANDATORY PUBLICATIONS. ROUTINE COMMUNICATIONS.

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Maritime English test	Oral Exam	No	Yes	30,00
Test related to block I	Written exam	No	Yes	30,00
Evaluation of practices in the GMDSS simulator. Parts 3 to 6.	Laboratory evaluation	No	No	40,00
TOTAL				100,00

Observations
It is mandatory to have a minimum score of 4 in all the parts to pass Assessment criteria are adapted to rules AII/2 and AII/1 of the STCW Convention.
Observations for part-time students
Same assessment conditions as any other students

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
International Maritime Organization (2002) IMO SMCP. IMO Standard Marine Communication Phrases, London: International Maritime Organization.
VAN KLUIJVEN, P.C. (2003) The International Maritime Language Programme, Alkmaar: Alk & Heijnen Publishers.
S.F. Appleyard, R.S. Linford, P.J. Yarwood, Marine electronic navigation, Ed. Routledge & Kegan Paul.
A.B. Carlson, Communication systems, Ed. McGraw Hill.
D. Calcutt, L. Tetley, Satellite communications: Principles and applications. Ed. Edward Arnold.
I. Waung. The Mariner´s guide to marine communications. The Nautical Institute.
L. Tetley, D. Calcutt, Understanding GMDSS, Ed. Edward Arnold.
IAMSAR MANUAL. VOLUME III.