



Teaching Guide				
Identifying Data				2024/25
Subject (*)	Maritime Radiocommunications		Code	631G01307
Study programme	Grao en Náutica e Transporte Marítimo			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	2nd four-month period	Third	Optional	6
Language	SpanishGalicianEnglish			
Teaching method	Face-to-face			
Prerequisites				
Department	Ciencias da Navegación e Enxeñaría Mariña			
Coordinador	López López, María Natividad	E-mail	natividad.lopezl@udc.es	
Lecturers	López López, María Natividad	E-mail	natividad.lopezl@udc.es	
Web				
General description	To train the students in all aspects related to Maritime Communications with the objective that they achieve the necessary capacity to handle all the equipment following the established procedures.			

Study programme competences / results	
Code	Study programme competences / results
B40	RA27H?Use of IMO Standard Phrases for maritime communications, and use of written and spoken English.
B41	RA28H?Transmitting and receiving information by visual signals
B45	RA38H?Applying leadership and teamwork qualities
B48	RA43H?Coordinate search and rescue operations
B57	RA58H?Using leadership and management qualities
B59	RA60H?Transmitting and receiving information using GMDSS subsystems and equipment and complying with GMDSS functional requirements
B60	RA61H?Providing radio services in emergency situations
B80	RA81H?Contribute to effective communications on board the ship.
C15	RA17X-Communicating effectively in a work environment.
C20	RA25X?Respond to emergencies
C21	RA26X?Responding to distress signals at sea
C38	RA107X?Directing emergency intervention

Learning outcomes			
Learning outcomes			Study programme competences / results
RA17X-Communicating effectively in the workplace			C15
RA25X-Emergency Response			C20
RA26X-Responding to distress signals at sea			C21
RA27H-Use IMO standard phrases for maritime communications and use written and spoken English.		B40	
RA28H-Transmitting and receiving information by visual signals		B41	
RA38H-Apply leadership and teamwork skills		B45	
RA43H-Coordinate search and rescue operations		B48	
RA58H-Use leadership and management skills		B57	
RA60H-Transmitting and receiving information using GMDSS subsystems and equipment and meeting GMDSS functional requirements		B59	
RA61H-Providing radio services in emergency situations		B60	
RA81H-Contributing to effective communications on board the ship		B80	
RA107X-Lead emergency response			C38



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<p>According to the STCW including the Amendments of Manila of 2010, column 2 (recognitions, understanding and sufficiency) of Picture A-II/1 (Specification of the minimum norms of competition applicable to the commanders of the underway watch in ships of gross registered capacity the same or superior to 500).</p>	<p>Besides the named thing previously: Knowledge of the operation of the radioelectric devices of rescue, satellitarias RLS and RESAR.</p>
<p>he development and overcoming of these contents, along with the corresponding ones to other matters that include the acquisition of specific competitions of the degree, guarantee the knowledge, understanding and sufficiency of the competitions picked up in picture AII/2, of Agreement STCW, related to the level of management of Senior officers of Bridge of Marina Mercante, without limitation of gross registered capacity and Captain of Marina Mercante until a maximum of 3000 GT.</p>	<p>Picture A-II/2 of Agreement STCW. Specification of the minimum norms of competition applicable to the Captains and senior officers of bridge of ships of gross registered capacity the same or superior to 500 GT.</p>



<p>According to the STCW including the Amendments of Manila of 2010, column 2 (recognitions, understanding and sufficiency) of picture A-IV/2.</p>	<p>Besides the stipulated one in the Regulation of Radio communications, knowledge of:</p> <ol style="list-style-type: none"> 1. radio communications search and rescue, including the procedures of the international Manual of the aeronautical and marine services search and rescue (IAMSAR). 2. average ones to prevent the transmission of false alert of aid and procedures to mitigate the consequences of the alert happiness. 3. systems of notification for ships. 4. radiomédicos services 5. use of the International signal code and the standard Phrases of the OMI for the sea communicationses. 6. English spoken and written to communicate information related to the security of the human life in the sea. <p>Note: This prescription could be more flexible in the case of the title of restricted radio operator.</p>
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Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Guest lecture / keynote speech	B40 B41 B45 B48 B57 B59 B60 B80 C15 C20 C21 C38	24	36	60
Objective test	B40 B41 B45 B48 B57 B59 B60 B80 C15 C20 C21 C38	3.5	0	3.5
Laboratory practice	B40 B41 B45 B48 B57 B59 B60 B80 C15 C20 C21 C38	27	40.5	67.5
Introductory activities	B40 B45 C15	1	1	2
Summary	B40 B48 B57 B59 C20 C21 C38	2	0	2
Personalized attention		15	0	15
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	Description
Guest lecture / keynote speech	<p>The exhibition of each one of the subjects is formed that conform the program taking like reference basic the Manual of Radio communications recommended.</p> <p>NOTE: With this Methodology, the student acquires the competitions of the degree: RA17X, RA25X, RA26X, RA27H, RA28H, RA38H, RA43H, RA58H, RA60H, RA61H, RA81H, RA107X.</p>
Objective test	<p>The objective test will consist of either concept development questions and short development questions; multiple choice questions or both types of test. Students will be informed in advance of the type of test and the relative score of the different types of questions in each exam. The content of the questions will deal with the subjects taught in class and on which the student will be provided with sufficient material to pass.</p> <p>A series of tasks will have to be carried out in relation to the given subject, whose mark will be added to that of the objective test.</p>



Laboratory practice	<p>The students are divided in reduced groups to realise the obligatory practices in the Simulator of Communications YOU COMPROMISE where they take to end scenes that allow to assimilate of practical way the referring theoretical concepts to matter.</p> <p>NOTE: With this Methodology, the student acquires the competitions of the degree: RA17X,RA25X,RA26X,RA27H,RA28H,RA38H,RA43H,RA58H,RA60H,RA61H,RA81H,RA107X.</p>
Introductory activities	The first class of the academic course will dedicate a series of activities in which will appear the matter to the students and it will be to determine the competitions, I interest and motivations that the pupils for the profit of the objectives own to reach.
Summary	Towards the end of the course one actual class of synthesis of the main contents will be realised. With this resource it is tried to help the pupils to understand of global to matter by means of it review of or studied form, pausing of particular form in those aspects that could give rise to confusion or whose content was not assimilated suitably.

Personalized attention

Methodologies	Description
Guest lecture / keynote speech Laboratory practice	The teacher of the subject will attend any consultation of the students in their tutorial schedule and additionally, in the dates near the objective tests, at any other time that is available in the email, moodle and / or teams.

Assessment

Methodologies	Competencies / Results	Description	Qualification
Objective test	B40 B41 B45 B48 B57 B59 B60 B80 C15 C20 C21 C38	<p>The student will have the option of passing this part of the course provided that he or she attends 80% of the master classes.</p> <p>Those students who have the GMDSS General Operator's Certificate are considered to have passed the subject with a grade of 5.0. However, any student in this situation can attend the class and take the exams to raise this minimum grade.</p> <p>The objective test will consist of a series of short concept questions, a multiple choice test, or a combination of the two test systems mentioned above, in which case the teacher will set the specific assessment criteria for each of the parties in advance. It will be necessary to carry out different tasks related to the subject, the mark achieved will be added to the mark achieved in the objective test.</p> <p>To pass by course, it will be necessary to obtain an average mark of 5.0</p>	80
Laboratory practice	B40 B41 B45 B48 B57 B59 B60 B80 C15 C20 C21 C38	<p>COMMUNICATIONS SIMULATOR: In order to pass this part of the course, a minimum attendance of 100% of the simulation classes will be required. The qualification of each student will be based on the continuous evaluation of the Teacher in what he will take into account the skill and interest of the student in each of the proposed exercises.</p>	20
Others			

Assessment comments



The contemplated criteria of evaluation in pictures A-II/1, La-II/2, La-III/1 and La-III/2 of Code STCW and its amendments related to this matter will consider at the time of designing and realising their evaluation. This matter includes the contents corresponding to the course of General Operating specialty (132h) established in the Section To II/1 and La-II/2 of the STCW 78/95/10, in accordance with the course model OMI 1,25.

For the obtaining of the certificate of General Operating specialty it is necessary the overcoming of this matter.

Evaluation observations:

For full-time students, part-time students, requirements to pass the subject, conditions of the evaluation at the 2nd opportunity, etc.)

Continuous evaluation: a "pre-final exam" will be done, agreed with the students, for the realization of the @dito test it is essential to deliver the proposed tasks

1st opportunity: continuous evaluation as indicated in section 4 (adding practices+tasks+test)

2nd opportunity: practices that will count 20% (having to deliver a task that is proposed to more than the practices that could be performed in the simulator) and the test that will count the remaining 80%.

The) students with full dedication:

attendance/participation in the tasks corresponding to the practices minimum 80%

B) students with recognition of part-time dedication and academic dispensation from attendance, secondly, establishes the "RULE REGULATING THE DEDICATION REGIME FOR GRADUATE STUDENTS AT THE UDC (arts. 2.3;3. b and 4.5)(29/5/212):

assistance/participation in tasks corresponding to the internship minimum 80%. Passing the objective test. If they are unable to attend the lectures, arrangements will be made with the tutor.

"The fraudulent performance of the evaluation tests or activities, once verified, will directly imply the qualification of failing "0" in the subject in the corresponding call, thus invalidating any qualification obtained in all the evaluation activities for the extraordinary call".

Sources of information

Basic	BIBLIOGRAFÍA BÁSICA DA MATERIA - LOUZÁN LAGO, F.; IGLESIAS BANIOLA, S. (2009). Manual de Comunicaciones Marítimas.- Admiralty List of Radio Signals, Vol 5 Ed. 2012.- BREHAUT, DENISE (2009). GMDSS A User?s Handbook 4th Ed. Adlard Coles Nautical, London.- IMO (2011). GMDSS Manual, London.- INMARSAT (2011). The SafetyNET Users Handbook, 5th Ed., London.- IMO (2011). International SafetyNet Manual, London.- IMO (2010). Manual on Maritime Safety Information (MSI Manual). London.- LEES, GRAHAM and WILLIAMSON, WILLIE (2009). Handbook for Marine Radio Communications, 5th Ed. L.L.P. London.- IMO (2010). International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual. London.- IMO (2001). GMDSS Handbook on CD-ROM (v. 2.0), IMO.- IMO (2005). NAVTEX Manual, London. - ORGANIZACIÓN MARITIMA INTERNACIONAL. ?SOLAS, Edición refundida, 2001 OMI, Londres 2001.- ITU (2011). Manual para uso de los servicios móvil marítimo y móvil marítimo por satélite, ITU.- WAUGH IAN (2007). The Mariner?s Guide to Marine Communication, 2nd. Ed. The Nautical Institute.- AISM-IALA. ?Manual on Radio Aids to Navigation?, 2nd edition, 1993.
Complementary	

Recommendations

Subjects that it is recommended to have taken before

Subjects that are recommended to be taken simultaneously

Subjects that continue the syllabus

Other comments

(*The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.