Teaching Guide				
Identifying Data				2024/25
Subject (*)	Maritime accidents Investigation		Code	631G01512
Study programme	Grao en Náutica e Transporte Marítimo			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	1st four-month period	Fourth	Optional	6
Language	Spanish			
Teaching method	Face-to-face			
Prerequisites				
Department	Ciencias da Navegación e Enxeñaría Mariña			
Coordinador		E-mail		
Lecturers	,	E-mail		
Web				
General description	The objective of this subject is to provide basic knowledge in the process of investigating accidents and maritime incidents, and to serve as an introductory scientific tool that allows professional activity to be oriented towards the technical study of accidents at sea.			

Study programme competences / results	
Code	Study programme competences / results
A10	Redactar e interpretar documentación técnica e publicacións náuticas.
A40	Capacidad para identificar daños y defectos en la estructura del buque.
A41	Capacidad para identificar evidencias ante casos de accidentes y siniestros marítimos.
A42	Capacidad para recabar información objetiva en las entrevistas personales.
A44	Capacidad para redactar informes técnicos.
B2	Resolver problemas de xeito efectivo.
B3	Aplicar un pensamento crítico, lóxico e creativo.
B9	Capacidade para interpretar, seleccionar e valorar conceptos adquiridos noutras disciplinas do ámbito marítimo, mediante fundamentos físico-matemáticos.
B13	Comunicar por escrito e oralmente os coñecementos procedentes da linguaxe científica.
B14	Capacidade de análise e síntese.
B20	Desenvolverse para o exercicio dunha cidadanía aberta, culta, crítica, comprometida, democrática e solidaria, capaz de analizar a realidade, diagnosticar problemas, formular e implantar solucións baseadas no coñecemento e orientadas ao ben común.
B24	Valorar a importancia que ten a investigación, a innovación e o desenvolvemento tecnolóxico no avance socioeconómico e cultural da sociedade.
C4	Desenvolverse para o exercicio dunha cidadanía aberta, culta, crítica, comprometida, democrática e solidaria, capaz de analizar a realidade, diagnosticar problemas, formular e implantar solucións baseadas no coñecemento e orientadas ao ben común.
C6	Valorar criticamente o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.
C11	Que os estudantes sexan capaces de integrar coñecementos e enfrontarse á complexidade de formular xuízos a partires dunha información que, sendo incompleta ou limitada, inclúa reflexións sobre as responsabilidades sociais e éticas vencelladas á aplicación dos seus coñecementos e xuízos
C12	Que os estudantes saiban comunicar as suas conclusións e os coñecementos e razóns últimas que as sustentan a públicos especializados e non especializados dun xeito claro e sin ambigüidades

Learning outcomes			
Learning outcomes	Study programme competences / results		
Knowledge of national and international regulations applicable to maritime transport.		B20	C6 C11

Application of national and international regulations in the investigation of claims and maritime events.			C4 C6
Ability to identify damage to the structure of the ship.	A40		
Collection of evidence, personal interviews.	A41 A42	B9	
Write reports and compile statistics.	A10 A44	B2 B3 B13 B14 B24	C12

Contents	
Topic	**Sub-topic**
1. Need to investigate accidents.	Difference with Judicial, Police or Expert Investigations. Other regulatory investigations.
2. Regulations related to the Investigation of Claims and	Maritime Events. International regulations. European regulations. Spanish regulations.
3. A.849 (20) and A.884(21). Code for the Investigation of Marine Casualties and Incidents.	Code structure. Definitions. Most important aspects. Human Factor.
4. National Organizations in charge of Investigations.	Most important organisms. International Forum of Marine Accident Investigators (MAIIF). Commission of Investigation of Accidents and Maritime Incidents (CIAIM). Spain.
5. Methodologies for conducting the Research.	A.1075 (28): Guidelines to assist investigators in the implementation of the Casualty Investigation Code. MAIIF Investigation Manual. MAIIF Investigators ?In-the-field Job Aid MAIIF Fire Investigation Manual. Other methodologies.
6. Writing the Report.	Phases in writing. Items to cover. Terminology. A.918 (22). SMCP
7. IMO Reporting.	IMO Global Integrated Shipping Information System (GISIS)
8. Statistics.	Examples of statistical databases.
9. Examples of Investigations.	Comments on Research Reports

Planning				
Methodologies / tests	**Competencies / Results**	**Teaching hours (in-person & virtual)**	**Student?s personal work hours**	**Total hours**
Guest lecture / keynote speech	A10 B3 B9 B14 B20 B24 C6	30	60	90
Objective test	A41 B14	2	0	2
Oral presentation	B9 B13 C12	3	18	21

Supervised projects	A10 A40 A41 A42 A44 B2 B3 B9 B13 B14 B20 B24 C4 C6 C11	5	30	35
Personalized attention		2	0	2
(*)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	In the activity of the lecture guest, the contents that make up the theoretical framework will be worked on through oral presentation, guided by the use of presentations, audiovisual media and with the introduction of directed questions to the students with the purpose of favouring learning and the construction of knowledge. There will be an introductory general exposition of each one of the two different themes of which the program consists, indicating the aspects that the students should expand with their personal work, with the appropriate orientations bibliographic.
Objective test	Final exam
Oral presentation	On the supervised projects
Supervised projects	Projects carried out by students (individuals and/or in groups) regarding two contents of the subject. Throughout the four-month period, one or several assignments will be provided around two contents of the agenda that must be based on the basic and complementary bibliography of the guide and with another selected by the teaching staff and/or student pole. Its realization will begin in the classroom and be completed through the autonomous work of the students, attending more indications provided through the differentiation of teachers. Through the exhibition in the classroom, the work done will be shared.

Personalized attention	
Methodologies	**Description**
Objective test Oral presentation Guest lecture / keynote speech	The personalized differentiation described in relation to these methodologies is conceived as moments of work with the subject teachers. The way and the moment in which it will be developed will be indicated in each activity throughout the course according to the plan of matter work. Students with recognition of part-time dedication as established by the "RULE THAT REGULATES THE REGIME OF DEDICATION TO THE STUDY OF UNDERGRADUATE STUDENTS AT UDC (Articles 2.3; 3.b and 4.5)(05/29/2012). These students will develop their activity with the assistance and participation in the dynamics collected in Step 4 "Planning" and in the one that concerns us "Personalized attention" described for the " Supervised projects", through the workgroups that are formed in the subject. The activity will be carried out according to the observations of the evaluation regarding the flexibility of attendance participation and the requirements for overcoming the subject.

Assessment			
Methodologies	**Competencies / Results**	**Description**	**Qualification**
Objective test	A41 B14	The evaluation criteria referred to in Table A-II/1 of the STCW Code, and collected in the Quality Assurance System, will be taken into account when designing and carrying out the evaluation.	60

Oral presentation	B9 B13 C12	To evaluate the presentation, it will be evaluate: - Relevance and organization of the exposed contents. - Coordination of the presentation (reflecting collaborative work, not a sum of parts). - Level of understanding of the basic contents. - Clear explanation	10
Supervised projects	A10 A40 A41 A42 A44 B2 B3 B9 B13 B14 B20 B24 C4 C6 C11	To evaluate the projects it will be taken into account: - Structure: presentation, content organization, clear explanation and grammar. - Content: Understanding of basic ideas, conceptual mastery, use of the sources worked on in the treatment of content throughout the semester and relationships between them.	20
Guest lecture / keynote speech	A10 B3 B9 B14 B20 B24 C6	The evaluation criteria referred to in Table A-II/1 of the STCW Code, and collected in the Quality Assurance System, will be taken into account when designing and carrying out the evaluation.	10

Assessment comments
STCW Convention 2010: The evaluation criteria referred to in Table A-II/1 of the STCW Code, and collected in the Quality Assurance System, will be taken into account when designing and carrying out the evaluation. To pass the subject following the continuous evaluation it is necessary to pass each methodology. in-session lecture, at the same time as class attendance (minimum of 80%), the student participation will be valued too. Students who do not follow the continuous assessment will always have the option of taking the objective test. Consequently, under this circumstance, this will have a value in the evaluation of 100%. Students with recognition of part-time dedication and the corresponding academic waiver that provide the assistance exemption, as established in the "RULE THAT REGULATES THE DEDICATION REGIME TO THE STUDY OF UNDERGRADUATE STUDENTS AT UDC (Articles 2.3; 3. b; 4.3; 6. b and 7.5) (05/04/2017) may carry out the partial tests, if any, without the need to attend 80% of the face-to-face classes, as long as the teacher is duly informed at the beginning of the course. Notwithstanding the foregoing, the professor can entrust these students with different works (individual and/or in groups) throughout the course to be presented in the tutorial schedule in order to score in the continuous evaluation the proportional part of the value of the master session. About the sanctions applicable for de commission of serious offenses, article 11 of the Disciplinary Regulations of de student body of the University of A Coruña, approved by the Governing Council on 27/02/2023, point b) was amende in june 2023, to read: b) Qualification of suspense in the call in wich the fault it was commited, the student will be graded with ?fail? (numerical grade 0) in the corresponding call of the academic year, wheter the commission of the fault occurs at the first opportunity or at the second. For this, we will proceed to modify his qualification in the minutes of the first opportunity, if necessary.

Sources of information	
Basic	Resolución IMO A.849(20). Código para la Investigación de Siniestros y Sucesos MarítimosResolución IMO A.884(21). Enmiendas al Código para la Investigación de Siniestros y Sucesos MarítimosA.1075(28). Directrices para Ayudar a los Investigadores en la Implantación del Código de Investigación de SiniestrosMAIIF Investigation Manual.MAIFF Investigators "In-the-field Job Aid".MAIIF Fire Investigation Manual.
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
"-Segundo se recolle nas distintas normativas de aplicación para a docencia universitaria deberase incorporar a perspectiva de xénero nesta materia (usarase linguaxe non sexista, utilizarase bibliografía de autores/as de ambos sexos, propiciarase a intervención en clase de alumnos e alumnas...)-Traballarase para identificar e modificar prexuízos e actitudes sexistas e influirase na contorna para modificalos e fomentar valores de respecto e igualdade. -Deberanse detectar situacións de discriminación por razón de xénero e proporanse accións e medidas para corrixilas."