



Teaching Guide				
Identifying Data				2024/25
Subject (*)	Ship Training	Code	631G01406	
Study programme	Grao en Náutica e Transporte Marítimo			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	2nd four-month period	Fourth	Optional	24
Language	SpanishGalician			
Teaching method	Face-to-face			
Prerequisites				
Department	Ciencias da Navegación e Enxeñaría Mariña			
Coordinador	Louro Rodríguez, Julio	E-mail	julio.louro@udc.es	
Lecturers	Cao Feijóo, Genaro Louro Rodríguez, Julio Pérez Canosa, José Manuel Pérez López, Lidia Prieto Cabo, Verónica Sánchez Girón, Javier Ramón	E-mail	genaro.cao@udc.es julio.louro@udc.es jose.pcanosa@udc.es lidia.perezl@udc.es v.prietoc@udc.es javier.sanchez5@udc.es	
Web				
General description	The practices will be carried out either on board a ship or on land. In the latter case they will last 3 months; In the case of being carried out on board a ship, the duration will be 2 months on a ship in navigation and 3 months on a ship where the night is spent on land. Students will be supervised by an Academic tutor and a Professional tutor.			

Study programme competences / results	
Code	Study programme competences / results
A1	Controlar as boas prácticas de seguridade e saúde no traballo.
A2	Interpretar e representar correctamente o espazo tridimensional, coñecendo os obxectivos e o emprego de representación gráfica.
A3	Interpretar e representar as formas do buque e das súas instalacións.
A4	Coñecer e construír as Proxeccións Cartográficas Perspectivas empregadas en Navegación, os seus antecedentes e uso.
A5	Interpretación, análise e aplicación práctica dos fundamentos e Institucións de Dereito e Economía para administrar, xestionar e explotar o buque, a empresa marítima, o negocio marítimo e transporte, e a empresa náutico-deportiva.
A6	Localizar avarías sistematicamente nun equipo electrónico.
A7	Ensamblar e realizar tarefas básicas de mantemento e reparación de equipos informáticos. Instalar e manexar sistemas operativos e aplicacións informáticas. Instalar e realizar as tarefas básicas de xestión de redes de ordenadores.
A8	Modelizar situacións e resolver problemas con técnicas ou ferramentas físico-matemáticas.
A9	Avaliación cualitativa e cuantitativa de datos e resultados, así como representación e interpretación matemática de resultados obtidos experimentalmente.
A10	Redactar e interpretar documentación técnica e publicacións náuticas.
A11	Empregar o inglés, falado e escrito, aplicado á navegación e ao negocio marítimo.
A12	Navegar, con seguridade e respecto ao medioambiente, en Buques Tanque.
A13	Coñecer o funcionamento e alcance do seguro marítimo no ámbito nacional e internacional.
A14	Planificar e dirixir unha travesía, determinar a situación por calquera medio de navegación, e dirixir a navegación.
A15	Realizar unha garda de navegación segura.
A16	Manter a seguridade da navegación utilizando o radar, a ARPA e os modernos sistemas de navegación para facilitar a toma de decisións.
A17	Adoptar as medidas axeitadas en casos de emerxencias.
A18	Responder a sinais de socorro no mar.
A19	Utilizar as frases normalizadas da OMI para as comunicacións marítimas, e emprego do inglés falado e escrito.
A20	Transmitir e recibir información mediante todo tipo de sinais.
A21	Manobrar e gobernar o buque en todas as condicións.
A22	Cargar, manipular e estibar do xeito axeitado as diferentes mercadorías transportables nun buque.



A23	Asegurar o cumprimento das prescricións sobre prevención da contaminación.
A24	Manter a navegabilidade do buque.
A25	Operar os sistemas de Prevención, control e loita contraincendios a bordo.
A26	Operar os dispositivos de salvamento.
A27	Controlar o cumprimento das prescricións lexislativas.
A28	Planificar e controlar a derrota meteo-oceanográfica.
A29	Responder correctamente ás diferentes situacións de emerxencia.
A30	Utilizar os telemandos das instalacións de propulsión e dos sistemas e servizos de maquinaria.
A31	Transporte de cargas perigosas.
A32	Controlar o asentado, a estabilidade e os esforzos.
A33	Protexer o medio mariño e aplicar criterios de sostibilidade ambiental ao transporte marítimo.
A34	Manter a seguridade e protección do buque, da tripulación e os pasaxeiros, así como o bo estado de funcionamento dos sistemas de salvamento, de loita contra incendios e demais sistemas de seguridade.
A35	Organizar e dirixir a tripulación aplicando técnicas de liderazgo e de traballo en equipo.
A36	Organizar, administrar e prestar os cuidados médicos a bordo.
A37	Usar correctamente os diferentes aparatos de navegación e radiocomunicacións.
A38	Ser capaz de identificar, analizar e aplicar os coñecementos adquiridos nas distintas materias do Grao, a unha situación determinada formulando a solución técnica máis axeitada dende o punto de vista económico, ambiental e de seguridade.
A39	Ser capaz de inspeccionar e elaborar informes sobre defectos e danos a los espacios de carga, escotillas y tanques de lastre.
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.
A43	Capacidad para llevar a cabo labores de inspección en relación al cumplimiento de los convenios y códigos internacionales relacionados con el ámbito marítimo.
A44	Capacidad para redactar informes técnicos.
A45	Capacidad para la gestión, dirección y control de empresas y actividades relacionadas con el ámbito marítimo.
A46	Conocer la normativa nacional e internacional aplicable a las actividades relacionadas con el transporte marítimo y las operaciones portuarias.
A47	Capacidad para identificar, analizar y valorar averías y daños a la carga del buque y elaborar los informes correspondientes.
A48	Capacidad para la planificación de inspecciones, auditorías internas y externas y elaboración de los correspondientes informes.
A49	Conocimiento y destreza en el manejo de los equipos y sistemas de navegación, radiocomunicaciones y servicio de control del tráfico marítimo.
A50	Conocimiento y aplicación de la terminología comercial del ámbito marítimo en inglés.
A51	Capacidad para interpretar y redactar informes y documentos comerciales en inglés.
A52	Conocimiento y aplicación de la normativa y técnicas en materia de gestión de la seguridad del transporte marítimo y la protección del medio marino.
A53	Capacidad para elaborar planes de contingencia de abordaje y de instalaciones portuarias.
A54	RA1C-Write, explain and transmit the theoretical knowledge acquired both orally and in writing using scientific-technical language.
A55	RA2C-Identify and relate acquired knowledge to other disciplines
A56	RA3C-Writing and interpreting technical documentation in English
A57	RA4C-Collecting and interpreting relevant data
A58	RA5C-Identify ship components.
A59	RA6C-Identify critical situations and use available means in order to resolve them effectively.
A60	RA8C-Interpret the basic rules that make up the framework of economics and law.
A61	RA20C-Interpret plans and/or technical documentation
A62	RA110C?Identify damage and defects in the ship's structure.
A63	RA111C?Identify evidence in cases of maritime accidents and casualties.
A64	RA112C?Gather objective information in personal interviews
A65	RA116C?Know the national and international regulations applicable to activities related to maritime transport and port operations.
B4	Comunicarse de xeito efectivo nun ámbito de traballo.



B6	Traballar de forma colaboradora.
B22	Valorar criticamente o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.
B30	RA7H-Applying critical, logical and creative thinking
B31	RA9H-Effectively solve practical problems associated with the subject by applying the knowledge acquired.
B32	RA10H-Know, analyse, synthesise and apply the contents, fundamental concepts and applications of the subject.
B33	RA11H-Develop both individual and group work
B34	RA12H-Handle bibliographic material and computer resources.
B35	RA13H-Handle with ease the tools, techniques, equipment and/or material/instrumental of each subject.
B36	RA14H-Use information and communication technology (ICT) tools necessary for the exercise of their profession and for lifelong learning.
B37	RA15H-Use standardised international maritime navigation vocabulary
B38	RA23H?Using radar and ARPA for safe navigation
B39	RA24H?Using the ECDIS for safe navigation
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
B42	RA31H?Inspect and report on defects and malfunctions in cargo spaces, hatches and ballast tanks
B43	RA35H?Operate life-saving appliances
B44	RA36H?Providing first aid on board
B45	RA38H?Applying leadership and teamwork qualities
B46	RA41H?Determine by any means the location and accuracy of the resulting point
B47	RA42H?Determining and compensating for compass errors
B48	RA43H?Coordinate search and rescue operations
B49	RA44H?Establishing on-call duty systems and procedures
B50	RA45H?Maintaining safe navigation by using information from equipment and navigation systems to facilitate decision-making
B51	RA46H?Maintain safe navigation using ECDIS and related navigation systems to facilitate decision making.
B52	RA47H?Forecasting weather and oceanographic conditions
B53	RA50H?Operate the remote controls of propulsion installations and machine systems and services
B54	RA53H?Transporting dangerous goods
B55	RA54H?Controlling trimming, stability and stresses
B56	RA57H?Develop contingency plans for fault control, and act effectively in such situations.
B57	RA58H?Using leadership and management qualities
B58	RA59H?Organising and managing medical care on board
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
B61	RA62H?Contributing to the safe operation of tanker and chemical tanker cargoes
B73	RA74H?Survival at sea in the event of abandonment of the vessel.
B74	RA75H?Minimise fire risks, and maintain a state of readiness to respond to fire emergencies at all times.
B75	RA76H?Fighting and extinguishing fires.
B76	RA77H?Take immediate action in the event of an accident or other medical emergency.
B77	RA78H?Comply with emergency procedures.
B78	RA79H?Take precautions to prevent pollution of the marine environment.
B79	RA80H?Observe safe working practices.
B80	RA81H?Contribute to effective communications on board the ship.
B81	RA82H?Contribute to good human relations on board the ship.
B82	RA83H?Understand and take the necessary measures to manage fatigue.
B83	RA85H?Running the engine of a survival craft.
B84	RA87H?Use locating devices, including communication and signalling devices and pyrotechnic signals.
B85	RA88H?Providing first aid to survivors.
B86	RA89H?Control fire-fighting operations on board.
B87	RA90H?Organise and train fire-fighting crews.



B88	RA91H?Inspect and maintain fire detection and extinguishing systems and equipment.
B89	RA92H?Investigate and compile reports on fire incidents.
B90	RA93H?Providing first aid in case of accident or illness on board.
B91	RA94H?Providing medical care to sick or injured persons while on board.
B92	RA95H?Participate in plans for coordination of medical assistance to ships.
B93	RA96H?Contribute to increased maritime security by raising awareness.
B94	RA97H?Recognise protection threats.
B95	RA98H?Understand the need for and methods of maintaining awareness and vigilance in the area of protection.
B96	RA99H?Maintain the conditions set out in a ship security plan.
B97	RA100H?Recognise protection risks and threats.
B98	RA101H?Conduct regular security inspections of the ship.
B99	RA102H?Proper use of equipment and protective systems, if any.
C2	Dominar a expresión e a comprensión de forma oral e escrita dun idioma estranxeiro.
C3	Utilizar as ferramentas básicas das tecnoloxías da información e as comunicacións (TIC) necesarias para o exercicio da súa profesión e para a aprendizaxe ao longo da súa vida.
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.
C7	Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
C10	Que os estudantes saiban aplicar os coñecementos adquiridos e a súa capacidade de resolución de problemas en contornas novas ou pouco coñecidas dentro de contextos máis amplas (ou multidisciplinares) relacionados coa súa área de estudo
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
C14	RA16X-Produce a report in a rigorous and systematic way.
C15	RA17X-Communicating effectively in a work environment.
C16	RA18X-Reviewing compliance with maritime legislative requirements
C17	RA19X-Promote appropriate health and hygiene habits and encourage the interest and cooperation of workers in integrated preventive action.
C18	RA21X?Planning and leading a voyage and determining the situation
C19	RA22X?Maintaining a safe navigational watch
C20	RA25X?Respond to emergencies
C21	RA26X?Responding to distress signals at sea
C22	RA29X?Manoeuvring the ship
C23	RA30X?Overseeing the loading, stowage and securing of cargo, and its care during the voyage and disembarkation.
C24	RA32X?Ensuring compliance with pollution prevention requirements
C25	RA33X?Maintaining the seaworthiness of the ship
C26	RA34X?Preventing, controlling and fighting fires on board
C27	RA37X?Monitoring compliance with legislative requirements
C28	RA39X?Contributing to the safety of personnel and the vessel
C29	RA40X?Planning a voyage and directing navigation
C30	RA48X?Take action in case of navigational emergencies
C31	RA49X?Manoeuvring and steering the ship in all conditions
C33	RA52X?Assess reported failures and defects, in cargo spaces, hatch covers and ballast tanks, and take appropriate action
C34	RA55X?Monitor and control compliance with legislative requirements and measures to ensure safety of life at sea, maritime security and protection of the marine environment.
C35	RA56X?Maintaining the safety and security of the ship, crew and passengers, and the proper functioning of life-saving, fire-fighting and other safety systems

Learning outcomes



Learning outcomes

Study programme
competences /
results



Pór en práctica as competencias adquiridas durante os estudos.

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A51	B4
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B88	C2
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B94	C11
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B97	C16
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B99	C18
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Contents	
Topic	Sub-topic
Development and practical application of the theoretical knowledge acquired during the Bachelor's Degree. In addition to the student's own tasks on board, the student must complete the tasks assigned by the marine authorities.	The student will put into practice those competencies related to the type of internship to be carried out, so they will develop in more depth those contents related to column 2, Knowledge, Understanding and Sufficiency, of the STCW Convention, modified by Manila 2010, of table AII/2.
O desenvolvemento e superación destes contidos, xunto cos correspondentes a outras materias que inclúan a adquisición de competencias específicas da titulación, garanten o coñecemento, comprensión e suficiencia das competencias recollidas no cadro AII/2, do Convenio STCW.	Table A-II/2 of the STCW Convention.

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student's personal work hours	Total hours
Field trip	A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19 A20 A21 A22 A23 A24 A25 A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36 A37 A38 A39 B4 B6 B22 C2 C3 C4 C6 C7 C10 C11	600	0	600
Personalized attention		0	0	0

(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies	
Methodologies	Description
Field trip	The student will carry out their internship either on board a civilian vessel, in accordance with national and international maritime regulations (STCW Convention) or taking into account other alternatives reflected in the Eternal Internship Plan approved by Xunta de Escola and available on the center's website.

Personalized attention	
Methodologies	Description
Field trip	The student will be tutored in their internship by an academic tutor and by a company tutor.

Assessment			
Methodologies	Competencies / Results	Description	Qualification



Field trip	A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19 A20 A21 A22 A23 A24 A25 A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36 A37 A38 A39 B4 B6 B22 C2 C3 C4 C6 C7 C10 C11	The student must complete the established on-board internship time, depending on whether they are on board or ashore, supervised by an Academic tutor who will confirm the student's completion of the internship period, or taking into account other alternatives reflected in the Degree Report	100
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Assessment comments

The final evaluation of the student will be carried out by the academic student based on the report of the professional student, the follow-up of the practices and the final report.

Sources of information

Basic	Documentación recibida e adquirida durante os estudos.
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.