		Teaching	Guide		
	Identifyir	ng Data			2021/22
Subject (*)	Naval Construction Code			631G01105	
Study programme	Grao en Náutica e Transporte Ma	arítimo			
		Descrip	tors		
Cycle	Period	Year	r	Туре	Credits
Graduate	1st four-month period	First	t	Obligatory	6
Language	Galician		'		'
Teaching method	Face-to-face				
Prerequisites					
Department	Ciencias da Navegación e Enxeñ	iaría Mariña			
Coordinador	Pacheco Martínez, Eliseo Antonio	0	E-mail	eliseo.pacheco@	Qudc.es
Lecturers	Pacheco Martínez, Eliseo Antonio	0	E-mail	eliseo.pacheco@	Qudc.es
	Troya Calatayud, Jose Joaquin d	le		joaquin.troya@u	idc.es
Web				I	
General description	The main objective of the course	is to know the no	menclature of th	e structural elements o	of the ship's hull and their
	importance and mission.				
Contingency plan	1. Modifications to the contents				
	No changes will be made.				
	2. Methodologies *Teaching methodologies that are Guest lecture / keynote speech Workshop Supervised projects Objective test *Teaching methodologies that are No changes will be made. 3. Mechanisms for personalized a Teams. Synchronous tutoring is open at a the tutoring time with the student E-mail. The teacher agrees to respond a 4. Modifications in the evaluation No changes will be made. *Evaluation observations: 5. Modifications to the bibliograph	e modified attention to stude any time, with the . s soon as possibl	limit of the teach	·	

	Study programme competences		
Code	ode Study programme competences		
A3	Interpretar e representar as formas do buque e das súas instalacións.		
A10	Redactar e interpretar documentación técnica e publicacións náuticas.		
A24	Manter a navegabilidade do buque.		
B1	B1 Aprender a aprender.		
B4	Comunicarse de xeito efectivo nun ámbito de traballo.		

B5	Traballar de forma autónoma con iniciativa.
В6	Traballar de forma colaboradora.
B7	Comportarse con ética e responsabilidade social como cidadán e como profesional.
B15	Capacidade para adquirir e aplicar coñecementos.
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

Learning outcomes			
Learning outcomes	Study	y progra	amme
	COI	mpeten	ces
Ser capaz de resolver problemas de forma efectiva.	A24	B1	C10
		B5	
		B15	
Ser capaz de comunicarse de manera efectiva en un entorno de trabajo.	A3	B4	
	A10	В7	
Trabajar de forma colaborativa.		В6	
Comportarse con ética y responsabilidad social como ciudadano y como profesional.		В7	

Sub-topic nition of different ship dimensions. General arrangements and sections of different s of ships. Drawings. ging. Sagging. Torsion. Causes. Water pressure. gitudinal. Transverse. Vertical. Bow. Stern. go hatches. Ballast system. Valves. Sounding tubes. Aeration tubes. Mooring and
s of ships. Drawings. ging. Sagging. Torsion. Causes. Water pressure. gitudinal. Transverse. Vertical. Bow. Stern.
ging. Sagging. Torsion. Causes. Water pressure. gitudinal. Transverse. Vertical. Bow. Stern.
gitudinal. Transverse. Vertical. Bow. Stern.
no hatches Rallast system Valves Sounding tubes Agration tubes Magring and
go natories. Daliast system. valves. Sounding tubes. Aetation tubes. Mooning and
noring equipment. Loading equipment. Fire-fighting systems. Other equipment.
peller dimensions and characteristics. Propeller types. Shafts. Rudder operation. der types. Watertightness.
k line. Freeboard. Load lines. Seasonal zones. Tonnage.
ls. Mechanical characteristics. Other materials.
es of welding. Failures. Inspections.
resses. Types. Prevention methods. Paints.

10. Ship subdivision	Flooding. Bulkheads.
11. Watertight and Weather Tight Deers	Pagulations Tupes
11. Watertight and Weather Tight Doors	Regulations. Types.
12. Surveys and Dry-Docking	Classification societies. Regulations.

	Planning			
Methodologies / tests	Competencies	Ordinary class	Student?s personal	Total hours
		hours	work hours	
Guest lecture / keynote speech	A3 A24 B1 B4 B5 B7	30	60	90
	B15 C10			
Workshop	A3 A10 A24 B1 B4 B6	30	0	30
	B7 B15 C10			
Supervised projects	A10 B1 B4 B5 B6 B7	0	20	20
	B15 C10			
Mixed objective/subjective test	A3 A10 A24 B1 B4 B5	6	0	6
	B6 B7 B15 C10			
Personalized attention		4	0	4

Methodologies		
Methodologies	Description	
Guest lecture /	Chalkboard classes supported by PP presentations.	
keynote speech		
Workshop	Consolidation classes of content in small groups.	
Supervised projects	Autonomous or collective works unrolling contents of the subject.	
Mixed	Test that integrates essay-type test questions and objective-type test questions.	
objective/subjective	In terms of essay questions, it comprises open-ended essay questions. In addition, as objective questions, it may combine	
test	multiple-choice, ordering, short answer, discrimination, completion and/or association questions.	

	Personalized attention
Methodologies	Description
Supervised projects	Face-to-face.
	During tutorial hours and in compliance with current health regulations.
	Teams.
	It will depend only on the availability of the teacher.
	Email.
	The lecturer undertakes to respond as soon as possible to all queries sent.
	For "Students with recognition of part-time dedication and academic dispensation of exemption from attendance" the teacher may offer the possibility of online tutorials. Teacher and students will coordinate this assistance.

		Assessment	
Methodologies	Competencies	Description	Qualification

Supervised projects	A10 B1 B4 B5 B6 B7	In relation to supervised works, the following will be valued:	20
	B15 C10	- The methodological adequacy of the work proposals.	
		- The depth of the content.	
		- Mastery of the applications used in the preparation of socio-educational proposals.	
		- The treatment of a language specific to the disciplinary context.	
		- The use of complementary and current documentary sources.	
		- The presentation and clarity of the exhibition.	
Mixed	A3 A10 A24 B1 B4 B5	Each Mixed Test may include essay, open-ended essay, multiple-choice,	80
objective/subjective	B6 B7 B15 C10	multiple-choice, ordering, short-answer, discrimination, completion, and/or association	
test		questions.	

Assessment comments

In order to be entitled to continuous assessment, a minimum of 80% of attendance to face-to-face classes will be required. The final grade of the Continuous Assessment will be 80% of the Mixed Exam and 20% of the Tutored Work. The mark for the Mixed Examination will be the average of the Mixed Examinations throughout the course. In order to be able to take the average of these mixed exams, it is necessary to obtain a minimum mark of 4 out of 10 in each one.

Students with recognition of part-time dedication and academic dispensation of exemption from attendance (as established in the "Norma que Regula el Régimen de Dedicación al Estudio de los Estudiantes de Grado en la UDC") will be able to take the Continuous Assessment without the need to attend 80% of the face-to-face classes. In order to do so, these students must duly inform the lecturers at the beginning of the course of their academic dispensation, as well as of their availability to attend classes. Apart from the Autonomous Work included in this Teaching Guide, teachers may ask these students to carry out different projects/problems throughout the course to be presented or solved during tutorial hours.

Students who do not follow the on-site course (attendance less than 80%), or who have not passed the Continuous Assessment, may sit the final exams in January and July. The assessment of these exams will consist of a Mixed Examination which may include essay-type questions, open questions, multiple-choice, multiple-choice, ordering, short-answer, discrimination, completion and/or association questions. The contents of these mixed tests may cover any content of the subject. Such a Mixed Test will account for 100% of the grade for that exam session.

Ethical behaviour is expected throughout the course. The use of equipment or materials not allowed in the exams, copying answers by any unauthorised means or plagiarism will lead to a mark of 0 in the final assessment of the subject.

Ignorance of some basic concepts may lead to elimination. These will be mentioned during the course.

	Sources of information
Basic	- Dokkum, Klaas van. (2016). Ship knowledge: ship design, construction and operation. 9th ed. Enkhuizen. Dokmar
	- Bonilla de la Corte, Antonio. (1984). Construcción naval y servicios. Madrid
	- Eyres, D.J. (2007). Ship construction. 6th ed. Amsterdam. Elsevier
	- House, David J. (2010). Elements of modern ship construction. Glasgow. Brown, Son & David J. (2010).
	- Taylor, D.A. (1998). Merchant ship construction. London. Marine Management (Holdings),
	- Pursey, H.J. (1994). Merchant ship construction Especially written for the Merchant Navy. 7th ed. Glasgow. Brown
	Son & Ferguson
Complementary	

	Recommendations
	Subjects that it is recommended to have taken before
	Subjects that are recommended to be taken simultaneously
Phisics/631G01103	
Chemistry/631G01107	
	Subjects that continue the syllabus



Ship's Theory I/631G01208	
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.