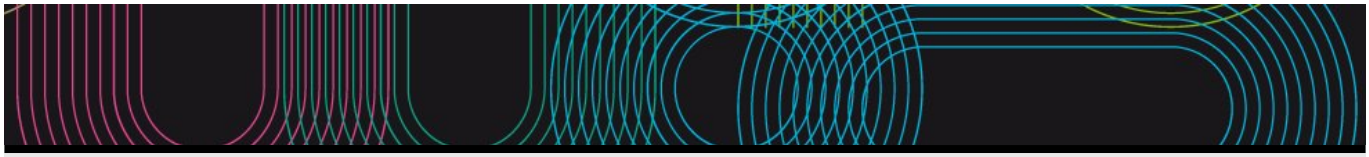

IDENTIFYING DATA				
Master's Degree Dissertation				
Subject	Master's Degree Dissertation			
Code	V10M153V01302			
Study programme	Máster Universitario en Oceanografía			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	15	Mandatory	1st	An
Teaching language	#EnglishFriendly Spanish			
Department				
Coordinator	Nieto Palmeiro, Óscar			
Lecturers	Nieto Palmeiro, Óscar			
E-mail	palmeiro@uvigo.es			
Web	http://masteroceanografia.com/trabajo-fin-de-master/			
General description	It will consist in a work of investigation in the field of the Oceanography, in which sinteticen and integrate the competitions purchased in the educations.			

Training and Learning Results	
Code	
A1	Students who have demonstrated knowledge and understanding that is founded upon and extends and/or enhances that typically associated with the first cycle, and that provides a basis or opportunity for originality in developing and/or applying ideas, often within a research context
A2	Students who can apply their knowledge and understanding, and problem solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study
A3	Students who have the ability to integrate knowledge and handle complexity, and formulate judgments with incomplete or limited information, but that include reflecting on social and ethical responsibilities linked to the application of their knowledge and judgments
A4	Students who can communicate their conclusions, and the knowledge and rationale underpinning these, to specialist and nonspecialist audiences clearly and unambiguously
A5	Students who have the learning skills to allow them to continue to study in a manner that may be largely self-directed or autonomous.
B1	The students will understand in a detailed and based form the theoretical and practical aspects and the work methodology of the oceanography
B2	The students will interpret the behaviour of the global oceanic system and their controlling factors.
B3	The students will be able to deepen in the main oceanographic processes and their spatiotemporal scales
B4	The students will be able to analyse oceanographic databases and obtain skills for their treatment.
B5	The students will be able to develop the sufficient autonomy to participate in research projects and scientific collaborations, especially in interdiscipinary contexts
C1	The students will be able to obtain advanced and relevant knowledge, of skilled and multidisciplinary character, in the field of the oceanography and their application to the marine environment
C2	The students will be able to schedule, design and execute original applied investigations from the stage of recognition until the evaluation of results and discoveries.
C3	The students will analyse situations and specific oceanographic conditions related with the global change
C4	The students will be able to apply in the practice the obtained knowledge and issue resolutions and judgments in the different oceanography fields
C5	The students will be able to draft scientific articles and present their results with clarity, using solid arguments in the development of their conclusions
D1	The students will know and will be able to apply the scientific method in the academic and research fields.
D2	The students will possess the handle skills in the laboratory that allow them to develop autonomous work.
D3	The students will be able to communicate the obtained information and their conclusions in a effective way to the general public, to other scientists and to the competent authorities, listening and answering of effective form and, using an appropriate language to the audience and to the context

D4 The students will be able to understand the need and obligation to perform a continuous training, to a large extent autonomous, for the scientific development, updating the knowledges, skills and attitudes of the professional competences along the life.

Expected results from this subject	
Expected results from this subject	Training and Learning Results
Endow to the students of the competences, knowledges, skills and tools, in order to qualify them, from a technical-scientific point of view, for the realisation, presentation and defence of a research work. This work will facilitate that the student have a taking of direct contact with the instrumentation, methodological techniques and methods for interpretation of data used in scientific-technical studies in the ocean. Likewise, it will give him the opportunity to work in a consolidated group of research. Hence, they are initiating their scientific work in an individual way and/or in a group.	A1 A2 A3 A4 A5 B1 B2 B3 B4 B5 C1 C2 C3 C4 C5 D1 D2 D3 D4
Know analyse from the statistical point of view the data that provides the economic activity- business	

Contents	
Topic	
The student will be able to make the Work End of Máster in the following big areas:	- Biological oceanography - Physical Oceanography - Chemical Oceanography - Geological Oceanography - Other disciplines related with the half marine and that are inside the contents given in the máster.

The lines of investigation or thematic fields offered are the following:	- Marine geology - Coastal Geology - Carbon dioxide, global Change and temporary series - chemical Processes of metals traces with ligandos organic. - Global changes in the oceanographic chemistry and biogeochemical cycles. - Ecology and physiology planctónica. - Oceanography Pesquera - Effects of global changes in the biological oceanography. - Global changes in the circulation to wide, meso- and sub-meso scale. - Fronts, twists and systems of afloramentos. - Hydrodynamic modelling. - Biology larvaria of marine invertebrates. - Effects of physical processes and chemists in the cycles bioxeoquímicos and answer of the biological communities. - Analysis sedimentario,micropaleontolóxico and isotopic of oceanic polls. - Ecology bentónica. - Analysis of oceanographic temporary series. - Resulted of oceanographic Campaigns. - Marine geochemistry. - Ways of climatic variability. - Interaction ocean-atmosphere. - Modelling of the ocean. - Climatic change in the ocean. - Energy in half marine (aeolian, maremotriz, currents). - Identification in analysis of registers paleoclimáticos. - Dynamic of gases invernadero in the coastal systems. - Diagénesis Of the organic matter and flows bentónicos. - Influence of the activity antrópica on the biogeochemical processes in the coastal systems. - Recent tectonic activity in coastal zones. - Stratigraphy of coastal zones and his relation with the changes of the level of the mar. - Geomorfología of continental margins. - Biological oceanography: Biology and Ecology of the Plankton. - Ecophysiology of macroalgas and ficología applied. - Microbial and biogeochemical ecology of the interfase waters-sediment. - Hydrodynamic modelling in coastal zones. - Operational oceanography in coastal zones. - Applications of the teledetection to the coastal oceanography.

Planning

	Class hours	Hours outside the classroom	Total hours
Mentored work	0.25	354.5	354.75
Presentation	0.25	20	20.25

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

Methodologies

	Description
Mentored work	Significant construction of knowledge through the interaction between the tutor and the student by means of tutorial sessions which can be personalised or carried out in very reducedin groups. In these season, the professor orients and resolves doubts.
Presentation	It consists in obtaining the keys for the preparation of the presentation of the work at the end of the master course.

Personalized assistance

Methodologies	Description
Mentored work	The tutors and the works will be offered and assigned to beginning of the master course. The student will have to enter into appointments with his tutor when was required, in order to go advancing in the development of the work.

Assessment

	Description	Qualification	Training and Learning Results

Mentored work	The scientific content and written presentation of the Master's thesis will be assessed by a evaluating committee appointed for this purpose, in accordance with a rubric published on the Master's website.	60	A1 A2 A3 A4 A5	B1 B2 B3 B4 B5	C1 C2 C3 C4 C5	D1 D2 D3 D4
Presentation	The presentation of a scientific paper and the answers, according to a rubric published on the Master's website, will be assessed by a evaluating committee appointed for this purpose.	40	A1 A2 A3 A4 A5	B1 B2 B3 B4 B5	C1 C2 C3 C4 C5	D1 D2 D3 D4

Other comments on the Evaluation

There will be two ordinary announcements to proceed to the defense of the master's degree dissertation, one in June and another in July. The rules, the calendar of procedures, the evaluation guidelines, and another relevante information will be published in the following link http://masteroceanografia.com/trabajo-fin-de-master/.
Students are strongly requested to fulfil a honest and responsible behaviour.
It is considered completely unacceptable any alteration or fraud (i.e., copy or plagiarism) contributing to modify the level of knowledge and abilities acquired in exams, evaluations, reports or any kind of teacher□s proposed work. Fraudulent behaviour may cause failing the course for a whole academic year. An internal dossier of these activities will be built and, when reoffending, the university rectorate will be asked to open a disciplinary recor. To control this aspect, students will personally submit their work to the Turnitin anti-plagiarism application, which will be enabled on the Moovi platform.

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations