



## IDENTIFYING DATA

### Final Dissertation

Subject	Final Dissertation			
Code	V11M085V02406			
Study programme	Máster Universitario en Ciencia y Tecnología de Conservación de Productos de la Pesca			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	10	Mandatory	2nd	2nd
Teaching language	Spanish Galician			
Department				
Coordinator	Longo González, María Asunción			
Lecturers	Longo González, María Asunción			
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Web	<a href="http://pesca_master.webs.uvigo.es">http://pesca_master.webs.uvigo.es</a>			
General description	Development by the students of a work of theoretical and/or experimental content related to the industry of conservation of fishing products. The work will be of an individual nature, supervised by professors of the master's degree and aimed at evaluating the competences associated with it.			

## Training and Learning Results

Code	
A1	Possess and understand knowledge that provides a basis or opportunity to be original in the development and / or application of ideas, often in a research context.
A2	That students know how to apply the knowledge acquired and their ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their area of study.
A3	That students are able to integrate knowledge and face the complexity of making judgments based on information that, being incomplete or limited, includes reflections on social and ethical responsibilities linked to the application of their knowledge and judgments.
A4	That students know how to communicate their conclusions, and the knowledge and ultimate reasons that sustain them, to specialized and non-specialized audiences in a clear and unambiguous way.
A5	That students have the learning skills that allow them to continue studying in a way that will be largely self-directed or autonomous.
B1	That the students acquire the comprehension, analysis and synthesis capacities.
B2	That students develop oral and written communication skills in the two co-official languages of autonomy (Spanish and Galician).
B3	That the students develop the skills to perform experimental work, handling of material and biological elements and related programs.
B4	That the students develop the problem-solving abilities of application of the theoretical knowledge in practice.
B5	That the students develop the abilities of teamwork, enriched by the pluridisciplinarity.
B6	That the students develop the ability of elaboration, presentation and defense of works or reports.
C1	Know and differentiate the main fishing and aquaculture species of commercial interest in our country, with its main biological characteristics.
C2	Know the parameters of safety and characterization of the quality of fishery products, as well as their possible toxicological risks, and the legislation applicable to such products.
C3	Acquire basic knowledge about laboratory analytical control of fishery products, including the biotic and abiotic contaminants potentially present in them.
C4	Know the main environmental aspects that affect the processing and conservation of seafood products: control and treatment of liquid effluents, sludge, soil and atmospheric emissions. Applicable legislation.
C5	Acquire the knowledge of business management in industries of the sector.
C6	Acquire knowledge about marketing and marketing for fishery and aquaculture products.

- C7 Know the operations and basic technologies used in the conservation and transformation of sea products by cold, heat or other physical-chemical methods: refrigeration, freezing, sterilization, pasteurization, semi-preservation.
- C8 Study the different forms of preparation and packaging systems for sea products treated by cold, heat or other methods, both traditionally and new technological orientations: restructured products, prepared dishes, modified atmospheres, high pressures, etc.
- C9 Understand the organization of production in the industry of fishery and aquaculture products treated by cold, heat and other processes. Production methods and their logistics.
- C10 Determine the criteria and procedures for the control of the quality of the products of the fishing and of the containers and packaging used in its commercial circuit. Know the procedures for its analytical control and defect detection.
- C11 Approach to quality control of each of the production lines of fishery products. Basic knowledge of product quality management.
- C12 Acquire basic knowledge and interpret the legislation applicable to the facilities where the handling and treatment of fishery products is carried out along the commercial chain: hygiene, labeling, food safety, plant self-control (APPCC), etc.
- C13 Assess the importance of the control and certification of the quality of fishery products as a commercial weapon and with a view to traceability and food safety.
- C14 Know the food alert management procedures by the competent authority and those responsible for the food chain
- C15 Know the critical variables that determine the viability of a product or novel processes. Use tools to obtain critical information for feasibility.
- D1 Ability to understand the meaning and application of the gender perspective in the different fields of knowledge and professional practice with the aim of achieving a more just and egalitarian society.
- D2 Sustainability and environmental commitment. Equitable, responsible and efficient use of resources.
- D3 Autonomous work capacity and decision making.
- D4 Creativity, initiative and entrepreneurial spirit.
- D5 Commitment to ethics in the profession and in society.

#### **Expected results from this subject**

Expected results from this subject	Training and Learning Results
Search for detailed information on the selected topic. Consultations and selection of bibliographical sources.	A1
	A2
	A3
	A4
	A5
	B1
	B2
	B3
	B4
	B5
	B6
	C1
	C2
	C3
	C4
	C5
	C6
	C7
	C8
	C9
	C10
	C11
	C12
	C13
	C14
	D1
	D2
	D3
	D4
	D5

Work development. Laboratory work, theory, pilot plant or information in industries of the sector.	A1
	A2
	A3
	A4
	A5
	B1
	B2
	B3
	B4
	B5
	B6
	C1
	C2
	C3
	C4
	C5
	C6
	C7
	C8
	C9
	C10
	C11
	C12
	C13
	C14
	C15
	D1
	D2
	D3
	D4
	D5

Oral and written presentation of a final report of the work done	A1
	A2
	A3
	A4
	A5
	B1
	B2
	B3
	B4
	B5
	B6
	C1
	C2
	C3
	C4
	C5
	C6
	C7
	C8
	C9
	C10
	C11
	C12
	C13
	C14
	C15
	D1
	D2
	D3
	D4
	D5

Contents
Topic

## Elaboration of a Master's Dissertation

- Selection of the topic to be studied.
- Search and selection of bibliographical sources
- Laboratory work, pilot plant or information in industries of the sector.
- Advice with the coordinators of the module or the personnel from industry.
- Preparation of reports.
- Presentation and defense of the work.

### Planning

	Class hours	Hours outside the classroom	Total hours
Project based learning	0	200	200
Presentation	2	8	10
Project	2	38	40

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

### Methodologies

	Description
Project based learning	Elaboration of a written document where it is reflected: content of the document, depth of the topic, adequate planning and sequencing, management of bibliographic sources, as well as presentation of results, conclusions and personalized opinions. Ideas of advance and future perspectives of the subject.

### Personalized assistance

Methodologies	Description
Project based learning	The student will be guided in the acquisition of basic skills and problem solving related to the subject matter of study. The progress of the student will be monitored.
Tests	Description
Project	Guide the student in the writing of the work. elaboration of objectives, results and conclusions.

### Assessment

	Description	Qualification	Training and Learning Results			
Presentation	Presentation by the students before an academic jury of the work carried out, individually or in groups.	30	A1 A2 A3 A4 A5	B1 B2 B3 B4 B5 B6	C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15	D1 D2 D3 D4 D5
Project	For the evaluation of the work, the content of the written document will be taken into account. Depth of the topic, adequate planning and sequencing, management of adequate bibliographical sources, as well as presentation of results, conclusions and personalized opinions will be assessed. The quality of the project will be evaluated taking into account the evaluation of the jury (50% total qualification) and that of the tutor/s (20% total qualification).	70	A1 A2 A3 A4 A5	B1 B2 B3 B4 B5 B6	C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15	D1 D2 D3 D4 D5

### Other comments on the Evaluation

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**Sources of information**

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**Basic Bibliography**

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**Complementary Bibliography**

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**Recommendations**

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**Other comments**

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In caso of discrepancies, the Spanish version of this guide will prevail.

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