# Universida<sub>de</sub>Vigo

Subject Guide 2023 / 2024

IDENTIFYIN	IG DATA	CIDMANIATIO		7771111111
	ity of fishery and aquaculture products			
Subject	Food security of			
•	fishery and			
	aquaculture			
	products			
Code	V11M085V02304			
Study	Máster			
programme	Universitario en			
	Ciencia y			
	Tecnología de			
	Conservación de			
	Productos de la			
Descriptors	Pesca ECTS Credits	Choose	Year	Quadmester
Descriptors	5	Mandatory	2nd	1st
Tooching		Manuatory	2110	
Teaching language	Spanish Galician			
Department				
Coordinator	Longo González, María Asunción			
Lecturers	Avendaño Garcia, Jose Mª			
Lecturers	Calvo Iglesias, Juan			
	Fontán Pérez, Noa			
	Longo González, María Asunción			
	Ruiz Blanco, Carlos S.			
	Viñuela Rodríguez, José Ángel			
E-mail	mlongo@uvigo.es			
Web	http://pesca_master.webs.uvigo.es			
General	In this course, Self-control in the food chain, produ	iction control, logistic	s and assurance	e, quality management

## **Training and Learning Results**

description and quality certification will be addressed.

Code

- 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.
- 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.
- B4 That the students develop the problem-solving abilities of application of the theoretical knowledge in practice.
- 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.
- D5 Commitment to ethics in the profession and in society.

Expected results from this subject	
Expected results from this subject	Training and
	Learning Results

Interpret legislation on the self-control of fishery	y products, legislation on hygiene, labeling and food safet	, Δ2
interpret registation on the sen-control of fisher	y products, registation on myglene, labeling and rood safet	A3
		C13
		C14
		D1
		D2
Apply in a practical way the applycic of hazards	and critical control points (HACCP), with the peculiarities	A3
of each type of process.	and critical control points (naccr), with the peculiarities	A5 A5
or each type or process.		B1
		B4
		C14
		C15
		D1
		D5
Assess the importance of the control and certific	cation of the quality of food products from the sea as a	A3
commercial weapon and with a view to traceabi	lity and food safety.	A5
·		B1
		B4
		C13
		C14
		C15
		D2
		D5
Kanasa tha managana at Fanal Alam	to but the annual tout out the situation of the second side of the	
	ts by the competent authority and those responsible for	A2
the food chain.		A3
		B1
		B4
		C13
		C14
		C15
		D2
		D5
Actions of the Official Control Laboratories of fis	hery and aquaculture products (PPAs).	A2
		A3
		B1
		B4
		C13
		C14
		C14 C15
		D1
		D2
Contents		
Topic		
ITEM 1. Self-control in the chain of	- Traceability.	
feeding.	- HACCP.	
recuirig.	- Study of deviations.	
ITEM 2. Contains a familiar at	- Aspects of practical implementation	
ITEM 2. Container-food interactions.	Aspects of Container-food Interactions	
ITEM 3. Standards ESO 9000.	<ul> <li>Application to the processes of elaboration of fishing p</li> <li>Critical control points.</li> </ul>	oroducts.
ITEM 4. Official control of fishery products	Official control of fishery products	
from third countries.	from third countries.	
from third countries.  ITEM 5. Official control laboratories of	from third countries.  Official control laboratories of	
ITEM 5. Official control laboratories of	Official control laboratories of	
ITEM 5. Official control laboratories of fishing products	Official control laboratories of fishing products	
ITEM 5. Official control laboratories of fishing products ITEM 6. Official control of fishery products	Official control laboratories of fishing products Official control of fishery products	
ITEM 5. Official control laboratories of fishing products	Official control laboratories of fishing products	

Planning			
	Class hours	Hours outside the classroom	Total hours
Lecturing	28	66	94
Case studies	5	12	17
Studies excursion	3	3	6
Seminars	2	2	4
Objective questions exam	1	1	2

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

Methodologies	
	Description
Lecturing	Explanation by the lecturer of the contents of the course, theoretical bases and exercises to be
	developed by the student. Blackboard and audiovisual means will be used.
Case studies	Resolution of cases, doubts and queries both individually or in a small group regarding the follow-up
	and study of the lessons of the subject.
Studies excursion	Activities of application of knowledge to specific situations and acquisition of basic and procedural
	skills related to the subject matter of study. They take place in non-academic outdoor spaces.
	These include field practices, visits to events, research centers, companies, institutions, etc.
Seminars	Personalized and/or group tutorials: student interviews with the course's teaching staff for advice /
	development of activities of the learning process.

Personalized assistance		
Methodologies	Description	
Lecturing	The lecturers will answer the questions posed by the students, in face-to-face or online tutorials, or by e-mail.	
Case studies	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.	
Studies excursion	Guidance and advice in a small group by the teacher on the concepts of field practices, company visits, etc.	
Seminars	The student receives, in group and/or individually, advice from the teacher on the theoretical and practical concepts of the subject, for the development of the objectives of the course.	

Assessment					
	Description	Qualification	Т	raining a	nd
			Lea	rning Re	sults
Lecturing	The attendance and participation of the students in the classes, in	20	42 E	31 C13	D1
	the discussion of contents and exercises, will be evaluated.	,	43 E	34 C14	D2
				C15	
Case studies	Problem solving and practical cases will be evaluated, as well as the	20	42 E	31 C13	D1
	student's autonomous work	,	43 E	34 C14	D2
				C15	
Objective questions	There will be an exam with multiple choice questions that will	40	43 E	34 C13	D1
exam	evaluate the theoretical and practical knowledge acquired in the	,	45	C14	D2
	course.			C15	D5
Self-assessment	Test-type questionnaires will be carried out through the teaching	20	43 E	34 C13	D1
	platform, so that students can evaluate their degree of acquisition o	f /	45	C14	D2
	the subject's competences.			C15	D5

#### Other comments on the Evaluation

To pass the course, the student must obtain a grade equal to or greater than 4.5 points out of 10 in the final exam. In case of not reaching this grade, a "Fail" grade will be assigned, with the numerical value of the grade obtained in the final exam.

### Sources of information

## **Basic Bibliography**

FAO, El Pescado Fresco: su calidad y cambios en su calidad,,

FAO, Sistemas de Calidad e Inocuidad de los alimentos. Manual de Capacitación sobre hygiene de los alimentos y sobre el sistema de análsis de Peligros y de Puntos de Control Críticos,

FAO, Food safety risk analysis,

A. Ruiter, **El pescado y los productos derivados de la pesca. Composición, propiedades nutritivas y estabilidad.**, Editorial Acribia,

WHO,, Training Consideratrions for the Aplication of the Hazard Analysis Critical Control Point System to Food Processing and Manufacturing,

Gobierno Vasco,, Estándar de referencia de los sistemas de autocontrol de empresas alimentarias basados en el APPCC/HACCP,

#### **Complementary Bibliography**

Jean-Yves Leveau y Marielle Bouix, Manual Técnico de Higiene, Limpieza y Desinfección,

Ramón Madrid, Juana Mary Madrid, Antonio Madrid, La limpieza y desinfección en las industrias alimentarias, ILE-
Julio-Agosto, 33-38, Roy Kirby., HACCP in practique,
Roy Kirby.,, HACCP in practique, Food Control,
Stumbo, C. R., J.R. Murphy, and J. Cochran, Nature of Thermal death time curves for P.A. 3679 and Clostridium
botulinum,

# Recommendations

# Other comments

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