

**ACADEMIC YEAR 2024/2025**

<b>General information</b>	
Name of the integrated course	<b>LAW AND ECONOMICS OF FISH FARMS</b>
Integrated teaching modules	<b>Maritime law; Fish farm economics.</b>
Degree course	Science of marine production and resources - L38
Academic Year	II
European Credit Transfer and Accumulation System (ECTS)	10
Language	Italian
Period of teaching	I semester
Attendance	no

<b>Teacher</b>	<b>e-mail address</b>	<b>phone</b>
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Headquarters	Taranto at Ex II Faculty of Sciences MM.FF.NN, Via Alcide de Gasperi, (Paolo VI District) - 74123 Taranto
Virtual rooms	Teams Platform Mod Maritime law (access code <b>42iv1i4</b> ) Mod. "Fish farm economics" (access code <b>sn0vkqi</b> )
Tutoring (time and day)	<b>Maritime law:</b> On Teams platform code gtbqrx4, subject to appointment set by email <b>Fish farm economics:</b> after boarding, from Monday to Friday, from 8.30 to 9.30, also in telematic via Teams, subject to institutional commitments

<b>Syllabus</b>	
<b>Learning Objectives</b>	The general objective of the integrated course is to provide an adequate preparation in disciplines useful for the understanding of the mechanisms of operation of the fisheries sector both from the management point of view of the fishery enterprise and the norms and legal aspects that regulate it. Regarding the formative objectives of the single courses the course of <b>Marine law</b> , aims to provide students with basic notions of Maritime Law, with particular reference to the public law part related to the protection of the marine environment, as well as an in-depth study of the subject of fishing and aquaculture. With regard to the course of <b>Economics of fish farms</b> , it is proposed to offer the student the basic concepts and methodology used in the study of economics to be able to interpret the main economic phenomena related to the functioning of the fish supply chain. In particular, the study of consumer and business behaviour will be mentioned, the economic functioning of the agri-food system as a whole and the differential characteristics of the fisheries sector as well as the study of the evolution and role of Community policies for the sustainable development of fisheries
<b>Course prerequisites</b>	<b>Maritime law:</b> no requirements <b>Fish farm economics:</b> Required Math Notions: Understanding the

	concept of function, function graphs; derived functions; study of functions (conditions of first and second order for maximum and minimum) ; simple systems of linear equations.
<p><b>Contents of the teaching module:</b> <b>Maritime law</b></p> <p><b>Teacher:</b> <b>Prof. Nicolò Giovanni Carnimeo</b></p> <p><b>Lectures</b> <b>ECTS: 5</b></p> <p><b>Hours: 40</b></p>	<p>The course contents are divided into modules:</p> <p><b>Module I</b> Fundamental legal concepts Elements of navigational law. Sources Maritime spaces and legal regime International and European sources on marine environmental protection</p> <p><b>Module II</b> Maritime state property Protected areas under international, European and Italian law. Sustainable management of marine and coastal areas, maritime spatial planning and environmental protection</p> <p><b>Module III</b> International, European, and Italian legislation on fishery resources. Regional fisheries organizations. FAO fishing zones. The fish entrepreneur and the aquaculturist. Processing and marketing of fish products. Labor in the fishing and aquaculture sector. The safety of workplaces. Hygiene and safety in the fishing supply chain. Sustainable fishing and aquaculture. Impact of aquaculture on the environment. The FEAMPA</p>
<p><b>Contents of the teaching module:</b> <b>Fish farm economics</b></p> <p><b>Teacher:</b> <b>Rocco Roma</b></p> <p><b>Lectures</b> <b>ECTS: 5</b></p> <p><b>Hours: .40</b></p>	<p><b>General economic science:</b> consumer behaviour (demand and elasticity); enterprise (production and cost functions, supply); general information on markets and their operation. The macroeconomic dimensions.</p> <p><b>The fisheries sector:</b> consistency and value of the fisheries sector; fisheries: management of resources through property rights. the regulation of fishing. public policies. Aquaculture: economic aspects, sustainability and circular economy.</p> <p><b>Fish products and the agri-food sector:</b> the modern consumer, the distribution sector (long and short channels), food safety (compulsory and voluntary certifications).</p>
<p><b>Biosafety rules for the attendance of practical activities.</b></p>	Reference legislation in force

<b>Materail for the personal study</b>	
<b>Books and bibliography</b>	<p><b>Maritime law:</b> N. CARNIMEO, Marine protected areas in the European perspective, Cacucci, Bari, 2024. Handouts will, also, be provided by the lecturer.</p> <p><b>Fish farm economics:</b> Notes from the lessons and teaching materials distributed during the course. Suggested texts: C.De Vincenti, E. Saltari, R.Tilli Manuale di Economia Politica - Carocci Editore Acemoglu D., Laibson D., List J. Principi di economia politica. Teoria ed evidenza Empirica. Ed. Pearson Spagnolo M. Elementi di Economia e gestione della pesca. FrancoAngeli ed.</p>
<b>Additional materials</b>	The additional teaching material is provided by the teachers during the course and is available on the TEAMS teaching platform

<b>Work schedule</b>		<b>Maritime Law</b>	
<b>Hours</b>			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Individual study
<b>125</b>	<b>40</b>		<b>85</b>
<b>ECTS</b>			
<b>5</b>	<b>5</b>		

<b>Work schedule</b>		<b>Fish farm economics</b>	
<b>Hours</b>			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Individual study
<b>125</b>	<b>40</b>		<b>85</b>
<b>ECTS</b>			
<b>5</b>	<b>5</b>		

<b>Teaching strategy</b>	
	<p><b>Module of Maritime Law:</b> Lectures and seminars <b>Module of Economics of Fish Farms:</b> <i>The theoretical part of the course takes place in classrooms equipped with multimedia tools such as PC, projector, internet connection, using PowerPoint slides. Given the role of teaching within the Course of studies, exclusively linked to the acquisition of knowledge, teaching frontal is the exclusive teaching method.</i></p>

<b>Expected learning outcomes</b>	
<b>Knowledge and understanding ability</b>	<p>At the end of the course, the student will acquire knowledge and understanding skills:</p> <p><b>Maritime law:</b> The teaching of Maritime Law aims to provide students with basic knowledge in the field of Navigation Law, with an in-depth study about the discipline of fishing and aquaculture. A good knowledge of international and domestic sources is provided, as well as of the main public and private institutions active in these sectors and of the main European financial instruments supporting the fisheries and aquaculture sector, encouraging an interdisciplinary approach.</p> <p><b>Economy of fish farms:</b> Ability to understand basic principles of the economy that regulate the behavior of individuals, of enterprises and markets of fishery</p>

	products
<b>Applied knowledge and understanding ability</b>	<p><b>Maritime law:</b> The student will master the basics, learning a method of analysis of legal aspects related to the special subject of Navigation (Maritime) Law. The course places the student in a position to acquire professional skills and technical-legal language of the field expendable in various work and consulting fields.</p> <p><b>Economics of fish farms:</b> Ability to interpret the main phenomena the ability to analyze the behaviour of individuals, of the and to describe the functioning of the markets in fishery products (DOC 2.11).</p>
<b>Soft skills</b>	<p><b>Maritime law:</b> <i>Autonomy of judgment</i> The acquisition and development of the ability to critically study the institutes of Navigation (Maritime) Law, Fisheries and Aquaculture indicated in the teaching syllabus, including through the critical study of the most significant literature on the individual topics covered by seminars.</p> <p><i>Communication skills</i> Acquisition of the skills of argumentation of the topics of in-depth study, so as to know how to communicate and argue well in moments of sharing, confrontation and discussion in the classroom.</p> <p><i>Ability to learn independently</i> Attending students who will be confronted with the analysis of the fundamental institutes of Maritime Law, will have the opportunity to verify concretely and in itinere the skills acquired during the course, their own strengths and weaknesses, so as to provide promptly, also with the help of the lecturer, to fill any gaps.</p> <p><b>Economy of fish farms:</b> Ability to identify suitable solutions to improving the competitiveness of fisheries products and identifying obstacles and threats to the competitive positioning of fisheries enterprises on the market.</p>
<b>Summary of the knowledge and competences that the integrated course concurs to let the students acquire (Day One Competences) as scheduled by EAEVE</b>	<p><b>2.1</b></p> <p><b>2.11</b></p>

<b>Assessment and feedback</b>	
Methods of assessment	The examination of the integrated course "Law and Economics of Fish Farms" allows the acquisition of 10 of the ECTS foreseen by the study plan. The examination will include an oral test on the subjects of each of the two modules "Maritime Law and Economics of Fisheries" which will consist of a maximum of 3 questions per module.
Evaluation criteria	<p><i>Knowledge and understanding skills:</i></p> <p><b>Maritime law:</b> The learning objectives are the acquisition of an excellent knowledge of the main institutes of Maritime Law, providing students with a good knowledge of the regulatory sources useful to deal with the problems of operational reality with knowledge and competence.</p> <p><b>Economics of fish farms:</b> Ability to clearly describe patterns of the economic phenomena.</p>

	<p><i>Applied knowledge and understanding:</i></p> <p><b>Maritime law:</b> The student will make the basic notions his own, learning a method of analysis of the legal aspects related to the Maritime Law system. In addition, the course puts the student in a position to face job interviews and manage labor relations, thanks to general and specific theoretical knowledge, as well as the use of appropriate technical-legal language.</p> <p><b>Economy of fish farms:</b> Ability to describe market phenomena and the behaviours of individuals and companies in situations that currently characterize the fishing industry, bringing them and interpreting them in the light of previous models.</p> <p><i>Autonomy of judgment:</i></p> <p><b>Maritime law:</b> The acquisition of the methodology necessary for learning and mastery of the subject matter</p> <p><b>Economics of fish farms:</b> Ability to identify pathways improvement and tools to increase business competitiveness fish farms.</p> <p><i>Communication skills:</i></p> <p><b>Maritime law:</b> The development of the ability to work independently both individually and in groups. The development of critical study and argumentation skills to share, compare and question one's own ideas and those of others. The development of critical study and argumentation skills to share, compare and question one's own ideas and those of others.</p> <p><b>Economics of fish farms:</b> Ability to describe, with technical language the fish production market and its economic phenomena, highlighting critical issues and opportunities for success and relationships cause-and-effect</p> <p><i>Ability to learn:</i></p> <p><b>Maritime law:</b> Particular attention is devoted, in order to achieve the learning objectives, to exercises with a practical focus, discussion, interpretation and critical investigation of the results of knowledge acquired theoretically.</p> <p><b>Economics of fish farms:</b> Ability to critically analyze situations concrete in economic theme, in an autonomous way, also identifying further sources of information and updating</p>
Criteria for assessment and attribution of the final mark	The results of the oral test on the topics of the two modules will contribute to the definition of the final grade of the examination in Law and Economics of fisheries. The final grade is the result of the collegial judgment on the examination in which the student must demonstrate that he or she has acquired a critical sense of studied. The final evaluation, expressed in thirtieth, will be considered passed with vote equal to or greater than 18/30 and will consider not only the accuracy of the response, but also the ability to communicate, the clarity of presentation, the disciplinary competence and level of in-depth. The ECTS (10) will be considered acquired only after passing the oral test and recording on the ESSE3 portal of the report.
<b>Other comments</b>	