University of Gdańsk

Subject card

Subject name and code	Marine Resource Economics , PG_00202517					
Field of study	Economics, International Economic Relations, International Business, Logistics and Mobility					
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027	
Education level	Master’s studies		Subject group		Obligatory subject group in the field of study Optional subject group	
Mode of study	full-time studies		Mode of delivery		at the university	
Year of study	2		Language of instruction		English English	
Semester of study	4		ECTS credits		5.0	
Learning profile	academic		Assessment form		credit	
Conducting unit						
Name and surname of lecturer (lecturers)	Subject supervisor		mgr Michael Rościszewski-Dodgson			
	Teachers					
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM	
	Number of study hours	30	0.0	95.0	125	
Subject objectives	Understand the foundational principles of economics as they relate to marine and coastal resources, including concepts such as scarcity, opportunity cost, externalities, and common-pool resource management. Analyze the economic drivers and consequences of human activities in marine environments, such as fisheries, aquaculture, tourism, shipping, and offshore energy.					

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[MSGMU2_U06] can identify types of risks related to international operations of enterprises and correctly determine their consequences and methods of mitigation, with a skilful application of theory, using appropriate research method	Ability to identify and assess risks related to international business activities.	[SU4] test/exam - oral or written
	[EKONMU2_U09] has an advanced ability to prepare specialist written assignments concerning economic and social issues, using specialist theoretical and methodological approaches, collecting various sources of data, their description and interpretation, the principles of hypothesis formulation and drawing conclusions on the basis of scientific literature and factual data, and can make extensive international comparisons	Ability to identify and assess risks related to international business activities.	[SU1] oral statement/conversation/ discussion
	[IBMU2_U02] can interpret statistical data and economic indicators, and select and use quantitative and qualitative methods and tools developed by economic sciences, including advanced information and communication techniques	Ability to prepare specialised academic papers and scientific analyses in Polish and foreign languages.	[SU4] test/exam - oral or written
	[IBMU2_U01] can creatively interpret, explain and analyse complex economic phenomena and the relations occurring between them, using the acquired knowledge in international business and international economic and financial relations	Competence in interpreting statistical data and applying quantitative and qualitative methods.	[SU4] test/exam - oral or written
	[EKONL3_U02] is able to use the knowledge of theory and data to analyse concrete economic and social processes and phenomena and to analyse these phenomena using methods developed in economics, finance and management sciences	Ability to apply theoretical knowledge and data in analysing economic and social processes.	[SU4] test/exam - oral or written
	[EKONL3_U15] is able to independently supplement and improve his acquired knowledge and skills in the field of economics, is open to new concepts and solutions, and demonstrates a willingness to engage in lifelong learning and to cooperate and exchange knowledge with other participants in the learning process.	Readiness for continuous learning, professional development, and lifelong education.	[SU1] oral statement/conversation/ discussion
	[MSGL3_W02] has an advanced knowledge and understanding of the terminology of international economic relations and complementary disciplines	Knowledge of terminology relating to international economic relations.	[SW4] test/exam - oral or written
	[EKONMU2_W03] has a knowledge of relations between economic phenomena, entities and organisations as well as public institutions functioning in the national, international and intercultural spheres	Advanced knowledge of terminology in international economics and related disciplines.	[SW1] oral statement/ conversation/discussion
	[MSGL3_W04] has an advanced knowledge of different types and essential elements of the structures of economic entities and organisations, and public institutions	Knowledge of the principles of entrepreneurship creation and development.	[SW4] test/exam - oral or written

Course outcome	Subject outcome	Method of verification
[MSGL3_U02] can assess economic and social phenomena occurring in an open economy, interpret necessary statistical data and economic indicators, as well as forecast economic phenomena and processes, using standard methods and tools applied in economic sciences	Knowledge of terminology related to international economic relations.	[SU4] test/exam - oral or written
[MSGL3_U01] can correctly interpret and explain economic and social phenomena, analyse their causes, course and connections between these phenomena using the acquired knowledge of economics, finance and international economic relations	Ability to interpret and analyse economic and social phenomena using knowledge of economics and finance.	[SU1] oral statement/conversation/ discussion
[LMMU2_K03] inspires and organises preparation of projects in the field of logistics and mobility, following the idea of sustainable development, reconciling legal, economic, ecological, political and social requirements	Competence in organising logistics and mobility projects in line with sustainable development principles.	[SK1] oral statement/conversation/ discussion
[IBL3_W02] knows and understands fundamental concepts and terminology of international business, international economic and financial relations and complementary disciplines	Knowledge of basic terminology and concepts related to international business and international finance.	[SW4] test/exam - oral or written
[LMMU2_W05] has a fundamental knowledge of the human being as a manufacturer and consumer and extended knowledge of the human being as a creator of culture and social structures	Knowledge of human beings as participants in economic and social processes and as creators of culture.	[SW1] oral statement/ conversation/discussion
[LMMU2_W06] has an in-depth knowledge of statistical and econometric methods and tools for description and macro- and microeconomic modelling of logistics and mobility processes and systems	Knowledge of statistical and econometric methods used in the analysis of logistics and economic processes.	[SW4] test/exam - oral or written
[EKONL3_W01] has advanced knowledge of the nature of social sciences, their place in the system of sciences, knows the role of economic sciences in this system and uses universal economic terminology	Advanced knowledge of economics and its role within the social sciences.	[SW4] test/exam - oral or written
[MSGL3_W05] knows and understands the basic principles of establishing and developing various forms of entrepreneurship	Knowledge of organisational structures of enterprises and public institutions.	[SW1] oral statement/ conversation/discussion
[EKONL3_W03] knows the relations between economic agents and social organisations operating in the national, international and intercultural arenas	Knowledge of relationships between economic entities and organisations in domestic and international environments.	[SW1] oral statement/ conversation/discussion
[EKONMU2_W04] has an in-depth knowledge of different types of economic and social ties and regularities governing them; has an in-depth knowledge of economic and financial ties between enterprises	Knowledge of economic and social relations between enterprises and institutions.	[SW1] oral statement/ conversation/discussion
[IBL3_W01] has knowledge of the discipline of economics and finance, involving critical understanding of theories of international business	Ability to evaluate and forecast economic phenomena in an open economy.	[SW4] test/exam - oral or written

	<table><tr><td>Course outcome</td><td>Subject outcome</td><td>Method of verification</td></tr><tr><td>[MSGMU2_W02] knows an advanced terminology in the field of international economics, international economic relations and complementary disciplines</td><td>Knowledge of economics, finance, and international business theory.</td><td>[SW4] test/exam - oral or written</td></tr><tr><td>[MSGMU2_W01] has an in-depth and structured knowledge of economic sciences, in particular economics, its place in the system of sciences, its relations with other sciences and fields of knowledge</td><td>Advanced knowledge of terminology in international economics and related disciplines.</td><td>[SW4] test/exam - oral or written</td></tr></table>
Subject contents	Introduction to Marine Resource Economics Ocean as an Economic Space: Overview of Marine Sectors Property Rights and the Economics of Common-Pool Resources Market Failures and Externalities in the Marine Environment Fisheries Economics and Bioeconomic Modelling Aquaculture: Economics, Sustainability, and Trade Marine Ecosystem Services and Valuation Methods Coastal Tourism and Blue Economy Development Marine Spatial Planning and Integrated Coastal Zone Management Economic Instruments for Marine Conservation (e.g. MPAs, taxes, subsidies) International Marine Agreements and Trade in Marine Products Climate Change and Marine Resource Impacts Stakeholder Analysis and Participatory Governance in Marine Systems Group Project Workshops: Policy Analysis and Proposal Development Student Presentations and Feedback Final Review and Exam Preparation
Prerequisites and co-requisites	
Assessment methods and criteria	<table><tr><td>Subject passing criteria</td><td>Passing threshold</td><td>Percentage of the final grade</td></tr><tr><td>Written</td><td>51.0%</td><td>50.0%</td></tr><tr><td>Oral / Exam</td><td>51.0%</td><td>50.0%</td></tr></table>
Recommended reading	<table><tr><td>Basic literature</td><td>Grafton, R.Q., Hilborn, R., Squires, D., Tait, M., & Williams, M. (eds.) (2010). Handbook of Marine Fisheries Conservation and Management. Oxford University Press. https://global.oup.com/academic/product/handbook-of-marine-fisheries-conservation-and-management-9780195370287?cc=pl&lang=en& OECD (2016). The Ocean Economy in2030. OECD Publishing. https://www.oecd.org/en/publications/2016/04/the-ocean-economy-in-2030_g1g6439e.html OECD (2025). The Ocean Economy to 2050. OECD Publishing. https://www.oecd.org/en/publications/2025/03/the-ocean-economy-to-2050_e3f6a132.html? Marine Resource Economics. FAO https://portal.issn.org/resource/ISSN/2334-5985s</td></tr><tr><td>Supplementary literature</td><td>Charles, A. (2001). Sustainable Fishery Systems. WileyBlackwell. https://www.wiley.com/en-us/Sustainable+Fishery+Systems-p-9780470698235</td></tr><tr><td>eResources addresses</td><td></td></tr></table>

Example issues/ example questions/ tasks being completed	What are the economic consequences of treating the ocean as an open-access resource? Compare the effectiveness of marine protected areas (MPAs) and individual transferable quotas (ITQs) in fishery management. Assess the costs and benefits of offshore wind farms from a marine spatial planning perspective. Analyze a case study of a coastal community dependent on marine resourcesidentify challenges and propose sustainable economic solutions. Prepare a group policy brief recommending an economic strategy for reducing overfishing in a selected region. How do international trade policies affect small-scale fisheries in developing countries?
Work placement	Not applicable