

**Subject card**

<b>Subject name and code</b>	Economic aspects of environmental management, PG_00144412						
<b>Field of study</b>	Natural Resources Conservation						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2028/2029		
<b>Education level</b>	Bachelor's studies	<b>Subject group</b>			Obligatory subject group in the field of study		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	3	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	5	<b>ECTS credits</b>			1.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			credit		
<b>Conducting unit</b>	Zakład Zrównoważonego Rozwoju i Nauk o Jakości -> Katedra Strategicznego Rozwoju -> Faculty of Management -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Małgorzata Szymańska-Brałkowska				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	15.0	0.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	15		2.0		8.0	25
<b>Subject objectives</b>	<p>General objective: to present the economic aspects of environmental management.</p> <p>Specific objectives: presenting economic instruments of environmental management, discussing the basics of environmental management in the enterprise.</p>						
<b>Learning outcomes</b>	<b>Course outcome</b>		<b>Subject outcome</b>		<b>Method of verification</b>		
	[OZPL3_U07] The graduate is able to draw correct conclusions on the basis of analysis and synthesis of data from various sources		draws correct conclusions based on analysis and synthesis of data from various sources		[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written		
	[OZPL3_K05] The graduate is ready to understand the need to improve their own competences, update their knowledge and improve their skills		Understands the need to improve one's own competence and updates knowledge and improves skills		[SK1] oral statement/conversation/discussion		
	[OZPL3_W14] The graduate understands the relationship between the achievements of natural sciences and their potential applications in socio-economic contexts, while considering the sustainable use of biodiversity		Explains the relationship between the achievements of natural sciences and the possibilities of their use in socio-economic life, taking into account the sustainable use of biodiversity		[SW4] test/exam - oral or written		

Subject contents	<p>1. Introduction to environmental management - basic concepts of management science, environmental economics, ecological economics, the idea of sustainable development.</p> <p>2. Economic instruments of environmental management.</p> <p>3. Environmental management in the enterprise - environmental management, formal and informal environmental management systems - origins, theoretical introduction (basic issues), areas of environmental management, environmental management systems, pro-environmental programs.</p> <p>4. Environmental management system according to the ISO 14001 standard - essence, terminology, environmental policy, environmental aspects, implementation and functioning, costs and benefits of the environmental management system, audit and certification.</p> <p>5. European Environmental Management System (EMAS) - specificity of the system, implementation scheme, EMAS organization register, costs and benefits, current economic issues.</p> <p>6. Informal Environmental Management Systems (Clean Production, Responsibility and Care).</p> <p>7. Pro-ecological shaping of products - labeling of ecological products.</p>								
Prerequisites and co-requisites	Basic knowledge of environmental protection issues.								
Assessment methods and criteria	<table border="1" data-bbox="448 842 1477 913"> <thead> <tr> <th data-bbox="448 842 794 880">Subject passing criteria</th> <th data-bbox="794 842 1141 880">Passing threshold</th> <th data-bbox="1141 842 1477 880">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 880 794 913"></td> <td data-bbox="794 880 1141 913">51.0%</td> <td data-bbox="1141 880 1477 913">100.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade		51.0%	100.0%
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	51.0%	100.0%							
Recommended reading	Basic literature	<p>1. Borys T., Rogala P. (red.), Doskonalenie sformalizowanych systemow zarzadzania, Difin, Warszawa, 2011.</p> <p>2. Poskrobko B. (red.), Zarzadzanie srodowiskiem w Polsce. PWE, Warszawa, 2012.</p> <p>3. Szymanska-Brałkowska M., Zarzadzanie srodowiskowe w przedsiebiorstwie (studium przypadku), [w:] Zarzadzanie rozwojem przedsiebiorstwa. Interaktywny podręcznik z zakresu zarzadzania. Repozytorium case study dla studentow, P. Antonowicz (red.), Wydawnictwo Uniwersytetu Gdanskiego, Gdansk 2020.</p>							
	Supplementary literature	<p>1. Robaszewska R., Płoszka M., Kałuża D., Wach P., Decyzje srodowiskowe, Wolters Kluwer, Warszawa 2015.</p> <p>2. Zarzadzanie srodowiskowe jako droga do doskonalenia dzialalnosci proekologicznej na przykladzie wybranych przedsiebiorstw ze Szwecji, (M. Szymanska-Brałkowska, E. Malinowska), [w:] Wybrane aspekty doskonalenia procesow i zmian w zarzadzaniu operacyjnym, J. Łopatowska, G. Zielinski (red.), Wydawnictwo Politechniki Gdanskiej, Gdansk 2011, ISBN 978-83-7348-396-5.</p> <p>3. Szymanska-Brałkowska M., Zielinski G., Mozliwosci doskonalenia w zarzadzaniu jakosciowym i srodowiskowym w podmiotach gospodarczych, [w:] Wybrane aspekty doskonalenia procesow i zmian w zarzadzaniu operacyjnym, J. Łopatowska, G. Zielinski (red.), Wydawnictwo Politechniki Gdanskiej, Gdansk 2011, ISBN 978-83-7348-396-5.B.</p> <p>4. Wasniewski J., Strumiłło J., Koncepcje zarzadzania podmiotami leczniczymi, Wydawnictwo Uniwersytetu Gdanskiego, Gdansk 2020.</p>							
	eResources addresses								
Example issues/ example questions/ tasks being completed	An example of a formal environmental management system.								
Work placement	Not applicable								

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