

Subject card

Subject name and code	Ecology and Environmental Protection, PG_00155967						
Field of study	Management of Healthcare Institutions						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2026/2027		
Education level	Bachelor's studies	Subject group			Obligatory subject group in the field of study Subject group related to practical vocational preparation		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			2.0		
Learning profile	practical	Assessment form			credit		
Conducting unit	Zakład Zrównoważonego Rozwoju i Nauk o Jakości -> Katedra Strategicznego Rozwoju -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Małgorzata Szymańska-Brałkowska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	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	15		5.0		30.0	50
Subject objectives	The aim of the course is to familiarize students with knowledge of ecology and environmental protection in the management of health care institutions. The subject also covers the issue of environmental management in health care institutions and shows the ways to minimize the negative impact on the environment.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[ZISZL3_W02] The student has advanced knowledge and understanding of the interrelationships that exist between the disciplines of management and quality sciences, economics and finance, social communication and media sciences, legal and sociological sciences, which are key to understanding the essence of effective and efficient management of health care units.	Student knows and understands the relations between the scientific disciplines and how they impact the effective management of health care units.	[SW3] text preparation/written work
	[ZISZL3_U03] The student takes into account in the decision-making process its legal, ethical, social, environmental and economic consequences, while taking into account the specificity of the functioning of medical entities and taking into account the welfare of the patient.	Student takes into account during decision process, its ecological, ethical, social and economic consequences.	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written
	[ZISZL3_K01] The student is able to critically analyse the received content with particular emphasis on social and economic sciences.	Student is able to critically analyze socio-economic problems and issues.	[SK1] oral statement/conversation/discussion [SK4] test/exam - oral or written
	[ZISZL3_K05] The student understands the need and is aware of the necessity to behave in an ethical, sustainable and socially responsible manner in professional life.	Student understands the need to behave in ethically and socially responsible way.	[SK1] oral statement/conversation/discussion
	[ZISZL3_W01] The student has advanced knowledge of the discipline of management and quality sciences and understands its interrelationships with other social sciences.	Student has knowledge in management and quality sciences and understands its relationship with other social sciences.	[SW1] oral statement/conversation/discussion
	[ZISZL3_U04] The student is able to use the acquired knowledge from a specific area of management and quality sciences in professional practice, including the management of medical entities.	Student is able to apply the knowledge in the management process of medical institutions.	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written
	[ZISZL3_U01] The student is able to correctly interpret socio-economic phenomena, current events in the field of economic policy, economics, in particular in the field of health care both in the social and economic dimensions, as well as to independently formulate their own opinions in this regard and to propose appropriate solutions in the case of changes occurring in these areas.	Student is able to analyze different socio-economic issues that affect the organization.	[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written
	[ZISZL3_W07] The student knows and understands the impact of medical activity on the environment and society, as well as the accompanying legal and ethical implications.	Student knows and understands the impact of medical activities on environment and understands ways to reduce it.	[SW4] test/exam - oral or written

Subject contents	<p>Content of the course:</p> <ol style="list-style-type: none"> 1. Introduction - basic concepts of ecology and environmental protection in the aspect of managing health care institutions. 2. Environmental protection in the activities of health care institutions - obligations of health care institutions, monitoring and recording environmental impact, waste management, methods of minimizing the negative impact on the environment. 3. Environmental management in health care institutions - areas, selected improvement techniques. 4. Environmental management systems according to the ISO 14001 standard in health care institutions - terminology, requirements of the ISO 14001 standard, implementation, environmental aspects, audit, certification of the environmental management system, examples. 5. Ecological aspects of the activities of health care institutions - tips for ecological business, good practices in the world in the field of social responsibility of health care institutions. 6. Using the Green Lean approach to reduce the negative impact of health care institutions on the environment - combining management efficiency with environmental protection. 		
Prerequisites and co-requisites	Student should have a knowledge of basic environmental protection issues.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Test	51.0%	100.0%
Recommended reading	Basic literature	<ol style="list-style-type: none"> 1. Dobrzańska B., Dobrzański G., Kielczewski D., Ochrona środowiska przyrodniczego, Wydawnictwo Naukowe PWN, Warszawa 2012. 2. Zarządzanie rozwojem przedsiębiorstwa. Interaktywny podręcznik z zakresu zarządzania. Repozytorium case study dla studentów, Antonowicz P. (red.), Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2020. 3. Lisiecka K., Burka I., Lean Service w teorii i praktyce, Wydawnictwo Uniwersytetu Ekonomicznego w Katowicach, Katowice 2016. 4. Szymańska-Brałkowska M., Malinowska E., Improving companys environmental performance through Green Lean approach, Ekonomia i Prawo, T.17, Nr 4, 2018. 5. Malinowska E., Szymańska-Brałkowska M., Wybrane instrumenty w doskonaleniu jakości usług, Difin, Warszawa 2021. 	
	Supplementary literature	<ol style="list-style-type: none"> 1. Ekoprawo. Prawo środowiskowe. Ciechanowicz-McLean J., (red.). Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2019. 	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Describe the ways to minimize the negative impact on environment in selected health care institution.		
Work placement	Not applicable		

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