University of Gdańsk

Subject card

Subject name and code	Eco-innovation strategies, PG_00080769		
Field of study	Chemical Business, Chemistry, Environmental Protection		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2026/2027
Education level	Bachelor's studies	Subject group	Optional subject group
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	English
Semester of study	6	ECTS credits	2.0
Learning profile	academic	Assessment form	credit
Conducting unit	Laboratory of Advanced Oxidation Processes -> Department of General and Inorganic Chemistry -> Faculty of Chemistry -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. Ewa Siedlecka	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	15.0	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	2.0	33.0	50

Subject objectives

Familiarise students with eco-innovative solutions related to various aspects of the functioning of industry, rural areas and cities, and people's everyday lives.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[CHEML3_U01] Identifies, analyses and solves problems in the field of broadly understood chemistry on the basis of the acquired knowledge.	proposes solutions to environmental problems related to reducing the use of natural resources and reducing emissions of harmful substances throughout the product life cycle; explains the links between environmental pollution and the proposed eco-innovations;	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU5] implementation of a problem task
[CHEML3_W05] Has basic knowledge of the chemical specialisation studied.	Identifies the benefits of implementing eco-innovations in industry, rural and urban areas and in people's everyday lives;	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[CHEML3_K06] Raises her/his professional and personal competences by using information provided in various sources.	understand the social aspects of the practical use of knowledge and skills, as well as those related to responsibility	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report
[CHEML3_U11] Prepares and presents oral presentations in various fields of chemistry in Polish and English, using acquired knowledge and skills as well as basic sources of scientific information.	inspires others to learn; cooperates in a group, takes on different roles; shows creativity in determining priorities necessary to carry out various tasks	[SU1] oral statement/conversation/ discussion [SU5] implementation of a problem task
[CHEML3_W03] Explains the relationship between the structure of matter and its observed properties.	discusses and proposes solutions for different types of eco-innovations;	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report

<table>
<tr><td>Subject contents</td><td colspan="3">Eco-innovations as the introduction of any new or significantly improved product (good or service), process, organisational change or marketing solution that reduces the use of natural resources (including materials, energy, water and land) and decreases the release of harmful substances across the whole life-cycle. Discussing and proposing solutions concerning various types of eco-innovation: technological, social, organisational, institutional and marketing. Identifying the benefits of implementing eco-innovations in industry, rural and urban areas, and people's everyday lives.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">non</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>activity during classes</td><td>51.0%</td><td>30.0%</td></tr><tr><td>carrying out the work assigned by the teacher</td><td>51.0%</td><td>70.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">given by the teacher during the class</td></tr><tr><td>Supplementary literature</td><td colspan="2">independently searched by the student</td></tr><tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3"></td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
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