Course title:	Environmental Sustainability Reporting Standards
Course title in Polish:	Środowiskowe standardy raportowania zrównoważónego rozwoju
Course for discipline:	Environmental Engineering, Mining and Energy

Semester:	7	**Status of course:**	faculty	**Language:**	english
Academic year:		**Catalog number:**			

Coordinator of course:	dr hab. inż. Agnieszka Karczmarczyk, prof. SGGW
Lecturer od course:	dr hab. inż. Agnieszka Karczmarczyk, prof. SGGW
Executing unit:	Institute of Environmental Engineering
Ordering unit:	Doctoral School SGGW
Assumptions, goals and description of the course:	The aim of the course is to deepen knowledge in the field of sustainable development, with particular emphasis on issues covered by the European Sustainability Reporting Standards (ESRS E1-E5) along with an overview of the methods and tools used in reporting.
Didactic form, number of hours:	exercises, 10 h
Teaching methods:	lecture, discussion, workshop, case study
Limit of people in the group:	15

Learning outcomes

KNOWLEDGE - the graduate knows and understands:	**SKILLS - the graduate is able to:**	**COMPETENCES - the graduate is ready to:**
To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	Critically evaluate the achievments in the field/discipline represented
Major general development trends in the field/discipline		Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect
		Support the ethos of scientific circles and conduct independent research

The method of verification of learning outcomes:	evaluation of partial works, participation in discussion
Form of documentation of achieved learning outcomes:	answers to tasks in the Teams group
Elements and weights of the final grade:	partial work, participation in the discussion with equal weights
Place of the course:	classroom

Basic and supplementary literature

de Salles, A. C. N., & Brantsch, P. (2025). How Life Cycle Assessment Supports Sustainability Reporting: Example from Clean Aviation. Engineering Proceedings, 90(1), 56. https://doi.org/10.3390/engproc2025090056;
Miao, Z.; Huo, D.; Li, Y. A review of multi-factor footprints: a bibliometric perspective. Carbon Footprints 2025, 4, 6. http://dx.doi.org/10.20517/cf.2024.52; current EU regulations, raports

Comments:	

Estimated number of hours of work of the doctoral student necessary to achieve the assumed learning outcomes:	10

Leraning outcomes reference to the second degree characteristics of the National Qualification Framework (level 8) covering doctoral competences:

Symbol:	**Learning outcomes:**	**8 level NQF**
SD1_KW01	To the extent enabling to revise the existing pradigms in the field/discipline - the world achievments, gathering theoretical background as well as general and selected detailed issues	P8S_WG
SD1_KW02	Major general development trends in the field/discipline	P8S_WG
SD1_KU05	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	P8S_UW
SD1_KK01	Critically evaluate the achievments in the field/discipline represented	P8S_KK
SD1_KK03	Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect	P8S_KK
SD1_KK08	Support the ethos of scientific circles and conduct independent research	P8S_KR