Systemic Analysis of Environmental Issues II

Educational subject description sheet

Basic information

Field of study Joint Bachelor in Sustainability **Speciality** Geography & Economics **Organizational unit** Faculty of Law and Administration **Study level** first cycle (joint degree programme) **Study form** full-time degree programme **Education profile** General academic **Mandatory** obligatory	**Education cycle** 2025/26 **Subject code** UJ.WPAJBSGECS.8100.16525.25 **Lecture languages** english **Subject related to scientific research** Yes **Disciplines** Socio-economic geography and spatial, Earth sciences and the environment **ISCED classification** 0588 Interdisciplinary programmes involving broad field 05 **USOS code**

Subject coordinator	Piotr Szwedo
Lecturer	Romain Courault, Céline Clauzel

Period	**Examination**	**Number of ECTS points**
Semester 5	exam **Activities and hours** Discussion class: 45	5.0

Goals

C1	Understanding the impact of human behaviour and society in sustainability-related economic issues

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	non-occidental and/or traditional knowledge and what constitutes a nuanced approach to cultural diversity on sustainability issues	JBS_K1_W05, JBS_K1_W06	written exam
W2	the importance of landscape on a global multidimensional scale	JBS_K1_W07	written exam
Skills – Student can:			
U1	assess the implications and impacts on policy and decision-making	JBS_K1_U01	written exam
U2	evaluate different land-use planning strategies and suggest more, as well as critically analyse policies regarding land and biodiversity preservation	JBS_K1_U02	written exam
U3	assess the efficiency of alternative agriculture methods and techniques	JBS_K1_U03	written exam
Social competences – Student is ready for:			
K1	to engage in and support more sustainable touristic activities and to assess the importance of addressing inequality and promoting cultural, gender and spiritual inclusion in the context of climate action	JBS_K1_K01	written exam
K2	to develop strategies for building effective partnerships and engaging stakeholders in landscape governance; to imagine strategies to preserve land and biodiversity	JBS_K1_K02	written exam
K3	to support science-based decisions and policies	JBS_K1_K05	written exam

Calculation of ECTS points

Activity form	Activity hours*
Discussion class	45
problem analysis	45
preparation for the exam	30
preparation for classes	15

Student workload	Hours	ECTS
	135	5.0

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes
1.	Section 1: Cultural aspects of sustainable development perception within different social groups 4.3.28 • Intro to cultural perspectives on sustainable development • Cultural values and sustainability • Indigenous knowledge and Traditional Ecological Knowledge (TEK) • Gender and diversity in sustainable development • Religion, spirituality and sustainability • Cultural heritage and sustainable tourism • Education and communication for sustainability • International and European policy implications	W1, U1, K1
2.	Section 2: The landscape geographical scale: arbitrator between Earth' science, humanities and stakeholders 4.3.29 • Introduction to landscape geography • Geological and ecological foundations of landscapes • Cultural and social perspectives on landscapes • Landscape changes and dynamics • Stakeholder engagement in landscape management • Ecosystem services and landscape valuation • Landscape governance and policy • Challenges in landscape geography in the frame of sustainability	W2, U1, U2, K3
3.	Section 3: Land preservation and regulatory levers regarding the AFOLU sector 4.3.30 • Introduction to land preservation in the AFOLU (Agriculture, Forest and Other Land Uses) sector • Climate-smart agriculture and sustainable land management • Biodiversity conservation and protected areas • Forest preservation and sustainable forestry practices • Agroforestry and landscape restoration • Land use planning and zoning regulations • Payment for ecosystem services (ES) and conservation finance • International, national, local policy analysis influencing land preservation in the AFOLU sector	W1, U2, U3, K2

Course advanced

Teaching methods :

text analysis, brainstorming, conversation lecture

Activities	Examination methods	Credit conditions
Discussion class	written exam	Active participation (non-graded), written exam based on open questions (graded).

Entry requirements

None

Literature

Obligatory

1. Materials provided during the class and additional literature suggested by the lecturer

Effects

Code	Content
JBS_K1_K01	The graduate can encourage sustainability-driven practices in the workplace and appraise sustainability of own values, perceptions, roles, and actions, with a special focus on environmental wellbeing.
JBS_K1_K02	The graduate can demonstrate considerable entrepreneurial initiative, autonomy, and readiness to act in complex and changing environments, especially in the context of supporting, undertaking, and co-organising activities beneficial for a sustainable society.
JBS_K1_K05	The graduate can defend the importance of scientific data and methods as a basis for decision-making.
JBS_K1_U01	The graduate can critically analyse academic literature, formulate research questions and conduct research under supervision.
JBS_K1_U02	The graduate can present and report knowledge, methodologies, ideas, problems and solutions, clearly and comprehensively, in different forms destined for different audiences – including discussions and debates which require defending a substantiated opinion, as well as conversations in a foreign language at the CEFR B2 level.
JBS_K1_U03	The graduate can apply adequate methods and tools, including selected IT tools, to solve problems related to data collection, analysis, and management in the context of sustainability.
JBS_K1_W05	The graduate can identify essential international instruments and institutions related to sustainability and explain their potential role in resolution of a given problem.
JBS_K1_W06	The graduate can describe interconnections between various aspects of sustainability and identify their significance in the context of natural and social sciences, with a special focus on disciplines included in the selected specialisation track (law and politics; chemistry and physics; chemistry and biology; economics and geography; economics, management and engineering; humanities).
JBS_K1_W07	The graduate can apply the theory and methodology of disciplines included in the selected specialisation track to sustainability-related problems, taking into consideration practical limitations such as protection of intellectual property.