KAPITAŁ LUDZKI
NARODOWA STRATEGIA SPÓJNOŚCI

Projekt współfinansowany przez Unię Europejską w ramach Europejskiego Funduszu Społecznego

UNIA EUROPEJSKA
EUROPEJSKI
FUNDUSZ SPOŁECZNY

Course title	ECTS code
Economics in environmental protection	7.2.0600

Name of unit administrating study

Faculty of Economics

Studies

faculty	field of study		
Wydział Chemii	Ochrona środowiska	type	pierwszego stopnia
		form	stacjonarne
		specialty	Podstawowa
		specialization	Podstawowa

Teaching staff

prof. UG, dr hab. Barbara Pawłowska

Forms of classes, the realization and number of hours

Forms of classes

Auditorium classes, Lecture

The realization of activities

classroom instruction

Number of hours

Lecture: 15 hours, Auditorium classes: 15 hours

ECTS credits

2
in-class learning hours - 30
consultation hours - 2
student's own work - 18 hours
Total: 50 hours = 2 ECTS credits

The academic cycle

2024/2025 summer semester

Type of course

obligatory

Language of instruction

polish

Teaching methods

- critical incident (case) analysis
- discussion
- group work
- multimedia-based lecture

Form and method of assessment and basic criteria for eveluation or examination requirements

Final evaluation

Graded credit

Assessment methods

- written exam (test)
- graded course credit based on individual grades obtained during the semester
- The written test that evaluates the knowledge from the lectures.

The basic criteria for evaluation

The basic criteria for evaluation
Lecture: the written test - 20 points can be obtained max.
Partial grades obtained by the student during the semester on thematic presentations and students' activities, discussion during classes.
Final marks assignment: assigning the final grades in accordance with the study regulations

Method of verifying required learning outcomes

Required courses and introductory requirements

A. Formal requirements
none

B. Prerequisites
none

Aims of education

Learning objectives :

This course is designed to serve as a foundation course for students in economic aspects of environmental protection. The course will introduce the core concepts, principles and practices of sustainable development (SD) in social and economic life. It examines the environmental, economic, and social dimensions of SD by focusing on changing patterns of consumption, production, and distribution of resources. Student learns the types of economic relations, including the rules of the market mechanism, both on the national and international in the environmental context.

Course contents

Course contents:
Lecture:
Ecological footprint and Living Planet Index (LPI):
theoretical introduction (what is an ecological footprint and LPI; how are they measured and how can ecological footprint be improved; tools of improvement of natural capital use) and the discussion on the indicators for Europe and rest of the world (comparative analysis).
Identification of challenges of the global world & impact of human activities on the environment:
social pressure and demographic trends, urbanization processes; economic growth, technology and globalization; environmental pressure, food production; external effects of human activities.
From Stockholm to Paris - a short history of environmental events and statements (UN Conference on Human Environment; Our Common Future, Rio Declaration, Rio+10 and Rio+20; Kyoto Protocol; EU SD Strategy; Europa 2020; Roadmap 2050; COP 21: UN climate change conference / Sustainable Innovation Forum).
The theory of environmental externalities;
Macroeconomic policies and the environment
Classes:
Actions and tools to improve the efficiency of natural capital management using METAPLAN technic.
Diagnosis of environmental relations of human activities
Market failure: public goods and externalities
Internalizing environmental costs;
Policies, instruments and the environment;
Firms and markets - corporate perspectives (identifying and prioritizing problems; defining priorities for actions: diagnosing causes and finding solutions; valuating the costs and benefits of Temat IV:
Scientific experiment: correction of external effects: Coase's theorem.

Bibliography of literature

Bibliography of literature:
A. Literature required for final assessment:
1) B. Pawłowska: Zrównoważony rozwój transportu na tle współczesnych procesów społczno-gospodarczych, Wydawnictwo UG, Gdańsk 2013;
2) B. Fiedor, S. Czaja, A. Grabarczyk, Z. Jakubczyk: Podstawy ekonomii środowiska i zasobów naturalnych, Wydawnictwo C.H. Beck, Warszawa 2002;
3) Gospodarka a środowisko i ekologia, pod red. K. Małachowskiego, Wydawnictwa Fachowe CeDeWu, Warszawa 2007;
B. Supplementary literature
1) S. Czaja, A. Becla: Ekologiczne podstawy gospodarowania, wydawnictwo Akademii Ekonomicznej we Wrocławiu, Wrocław 2007;
2) L. R. Brown: Gospodarka ekologiczna na miarę Ziemi, Książka i Wiedza, Warszawa 2003 http://www.earth-conservation.org/eko-ekonomia/Eko-ekonomia%5Bwww.ziemia.org%5D.pdf ;
3) J. Berdo: Zrównoważony rozwój. – w stronę życia w harmonii z przyrodą, Earth Conservation, Sopot 2006, http://www.earth-conservation.org/rozwoj_pdf/Zrownowazony-rozwoj-calosc.pdf;
4) Web pages of governmental organizations, non-governmental organizations, civic movement, reports and annual reports of Polish and international statistics; e.g. GUS https://sdg.stat.gov.pl/index.jsf, European portal: http://ec.europa.eu/environment/pubs/studies.htm, European Environment Agency: https: // www. eea.europa.eu/;

The learning outcomes (for the field of study and specialization)	Knowledge
	Skills
	Social competence

Contact

barbara.pawlowska@ug.edu.pl