

Course title:	Ecology and environment protection				Code:
Field of study:	Tourism and recreation				Year/Semester: 3/5
Specialization:	all				Modes: F/E
Number of hours / semester	45				ECTS credits: 6
Lectures: 30	Classes: 15	Laboratories:	Projects:	Seminars:	

Department: Tourism Department

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Course position in the study programme:

- basic course

Objectives:

- to convey the rudiments of ecology with the understanding of their meaning for the correct existence of a human in the environment with regard to tourism and recreation;
- to describe environment resources of the contemporary world, their threats and actions, aiming at their protection; to shape ecological awareness;

Learning outcomes:

- to understand the meaning of ecology rudiments for the correct existence of a human in the environment with regard to tourism and recreation;
- the ability to describe environment resources, their threats and actions aiming at their protection; to shape ecological awareness;
- to understand relations between living organisms and the environment;
- to organize tourism and recreation in the way that does not threaten the natural environment;
- to introduce principles of a balanced development in tourism and recreation;

Course contents:

1. The position of ecology among life sciences.
2. Basic terms and the range of ecological research.
3. Biosphere as the environment of life on Earth.
 - a) environmental factors: biotical and abiotical, ecological tolerance

- b) population - features, structure, interactions
 - c) biocenosis – features, trophic structure
 - d) ecosystem – structure and functioning, productivity, biogeochemical cycles – circulation pf carbon, nitrogen, oxygen; hydrological cycle, secession;
 - e) main bioms of the world – tundra, taiga, broadleaf forests of a temperate climate, steppe, desert, evergreen thickets, savannah, tropical forest, mountains; biogeography, biodiversity of the Earth
4. Protection and shaping of the environment – aims and tasks, eco-development.
 5. Nature protection.
 6. Ecotourism – contemporary trends in world tourism; eco-development, biodiversity and its protection by shaping forms of tourism environment friendly, shaping ecological awareness.

Teaching methods: multi-media presentations, slide shows, discussion workshops

Assessment methods: credit and written examination

Recommended reading:

Compulsory:

Pyłka-Gutowska E.: Ekologia z ochroną środowiska. Wydawnictwo Oświaty. Warszawa 2000
Strzałko J. (red.): Kompendium wiedzy o ekologii. PWN 1999

Supplementary:

Horst A., Ekologia człowieka, WP, Warszawa 1976

Bogucki J. (red.) Przyrodnicze uwarunkowania rozwoju turystycznych form rekreacji, AWF Warszawa, 1984

Ryszkowski L., Bałazy St., Strategia ochrony żywych zasobów przyrody w Polsce, Zakład Badań Środ. Rol. i Leśnego PAN, Poznań, 1991

Kowalik T., Świątkowski P., Cieślik T. (red.) Polskie parki narodowe i nie tylko ..., Informator Europejskiego Centrum Ekologicznego, Warszawa 1996

Banaszak J., Wiśniewski H., Podstawy ekologii, Wyd. Uczelniane WSP w Bydgoszczy, 1999

Kostrowicki A. S.: Geografia biosfery. Biogeografia dynamiczna lądów, PWN 1999.

