

Course title:	<b>Ecology and environment protection</b>				Code:
Field of study:	<b>Tourism and recreation</b>				Year/Semester: <b>3/5</b>
Specialization:	<b>all</b>				Modes: <b>F/E</b>
Number of hours / semester <b>45</b>					ECTS credits: <b>6</b>
Lectures: <b>30</b>	Classes: <b>15</b>	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 of carbon, nitrogen, oxygen; hydrological cycle, succession;
  - e) main biomes 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 Oświata. 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.

