

SYLLABUS

SUBJECT Ecology and Environmental Protection

TEACHER dr inż. Andrzej Bobiec

COURSE DESCRIPTION

What is ecology: area of interest, tools and applications. What is environment and what should it be protected against? Environmental protection: a matter of fashion, education or basic human decency and responsibility? Major topics in environmental protection: global warming, renewables, geoengineering. Environmental services. My ecological footprint. Primeval – natural – semi-natural – anthropogenic – degraded environment. Ecological indicators in environmental assessment: the case of Common Bird Indicators. Protecting nature or environment: a false alternative? Nature protection: preservation, conservation, ecosystem approach, adaptive management. Can we afford preserving wilderness? Role of wildlands, ecological corridors and working landscapes in modern societies.

ECTS

5

LEARNING OUTCOMES

Increased respect for ecology as a science and awareness of politically and ideologically biased eco-tagged concepts. Sense of moral responsibility for environment affecting decisions. Ability to detect real environmental challenges and to suggest appropriate measures. Awareness of the importance of protected areas as indispensable components of human environment

GRADING POLICY

An oral examination.

TIMETABLE

To be prescribed.

TEXTBOOK AND REQUIRED MATERIALS

Branquart E., Verheyen K, Latham J, 2008. Selection criteria of protected forest areas in Europe:

The theory and the real world. Biol Cons 141: 2795–2806

Dudley N, Mansourian S, Stolton S, Sukuwon S, 2008. Arguments for Protection - Safety Net

Protected areas and poverty reduction. A research report by WWF and Equilibrium, WWF – World Wide Fund for Nature

Dudley N, Phillips A, 2006. Forests and Protected Areas Guidance on the use of the IUCN

protected area management categories. IUCN, Gland-Cambridge

Environmental Protection (online magazine): <http://eponline.com/home.aspx>

Higham J (ed.) 2008. Critical Issues in ecotourism: understanding a complex tourism phenomenon. Elsevier, Amsterdam-Tokyo

PECBMS (2007). State of Europe's Common Birds, 2007. CSO/RSPB, Prague, Czech

Republic <http://monitoring.sor.ro/Download/StateEuropeCommonBirds2007.pdf>

Shellenberger M, Nordhaus T, 2004. The Death of Environmentalism. Global Warming Politics in a Post-Environmental World, http://thebreakthrough.org/PDF/Death_of_Environmentalism.pdf
UNEP Environmental assessment EXPO 2010. Shanghai

Students will be provided with pdf copies of selected reading material from the above list and other sources

PREREQUISITES:

Good English spoken and written, knowledge of basic ecological concepts