

SYLLABUS

SUBJECT: BIODIVERSITY

TEACHER: DR INŻ. ANDRZEJ BOBIEC

COURSE DESCRIPTION

Introduction to the concept of biodiversity: definition, qualitative and quantitative assessment. Biodiversity in the world's megatrends: threats identification. Management, conservation, preservation as approaches to biodiversity. What do we have: Poland on the map of the world's biodiversity. Biodiversity indicators. Why forests are the richest terrestrial ecosystems? Biologically Important Forests in Europe. Pitfalls of the ecological newspeak: "sustainable management" against biodiversity. Ecosystem services: marketing biodiversity. Protected areas in the market of ecosystem services. Ecotourism: the concept and prospects of development in Poland.

ECTS: 5

LEARNING OUTCOMES

Understanding of biodiversity, its ecological, economic and social meaning; immunity to myths and manipulations related to biodiversity; ability to choose the most appropriate approach aimed to protect biodiversity in a given ecological, economic and social context; using local, regional, and national biodiversity resources as a inspiration for ecotourism development

GRADING POLICY

Students' own presentations
Case studies
Final Exam
Participation and attendance

TIMETABLE

Two hours of lecture a week a two hours of workshop the other week

TEXTBOOK AND REQUIRED MATERIALS

Alpert P., Western D., Noon B.R., Dickson B.G., Bobiec A., Landres P., Nickas G. 2004. Managing the wild: should stewards be pilots? *Frontiers in Ecology and the Environment*, Vol. 2, No. 9: 494-499

Bobiec, A. 2003. Preservation of a natural and historical heritage as a basis for sustainable development: A multidisciplinary analysis of the situation in Białowieża Primeval Forest, Poland. Białowieża Forest Institute, Białowieża-Narewka

Bobiec, A. (ed.), Gutowski, J.M., Zub, K., Pawlaczyk, P. A., Laudenslayer, W. F. 2005. The afterlife of a tree. WWF Polska. Warszawa-Hajówka

Eagles P.F.J., McCool S.F. 2002. Tourism in national parks and protected areas. CAB International

Hanski I., Walsh M. 2004. How much, how to? Practical tools for forest conservation. BirdLife European Forest Task Force, Helsinki

Jeanrenaud S. 2001. Communities and forest management in Western Europe. Working Group on Community Involvement in Forest Management, IUCN, 150 s.
http://books.google.com/books?id=80oOGT95UKgC&printsec=frontcover&dq=Jeanrenaud+Communities+forest+management+in+Western+Europe&source=gb_s_summary_r&cad=0

PREREQUISITES:

Knowledge of basic ecological concepts