

Subject Area: Advanced Methods in Biotechnology and Biodiversity

Subject: Population and succession studies of Central European lowland ecosystems

Level: PhD

Year: I-IV

Semester: 2

Speciality: N/A

Status: Facultative

ECTS: 3

Department(s): Ecology

Cooperating Department: -----

Form of teaching (number of hours):

Lectures:	Conversatoria	Practicals (field course)	Total
-	-	30	30

Form of assessment (exam or credit): **credit**

Staff:

SUBJECT COORDINATOR: Bernard Palowski PhD

LECTURER: Bernard Palowski PhD

Contents:

Overview of forest ecosystems occurring in Bialowieza National Park and nature reserves in the Bialowieza Forest:

- pine (*Peucedano pinetum* and *Vaccinio uliginosi-Pinetum*),
- spruce forests (*Sphagno girgensohnii-Piceetum*)
- low and high hornbeam (*Galio-Carpinetum* and *Tilio-Carpinetum*),
- luminous oak (*Potentillo albae-Quercetum*),
- swamp alder woods (*Carici elongatae-Alnetum*).

Forest as climax ecosystem in climatic and soil conditions of the Central Europe Lowlands. Differences between natural forest stands developing during natural succession and planted tree stands.

Methods and forms of teaching:

practicals - field course in Bialowieza Forest and in Bialowieza National Park.

Requirements:

General basic knowledge in biology.

Literature:

Matuszkiewicz J. M. 2001. Zespoły leśne Polski. PWN Warszawa.

Rykowski K. (Ed.) 1998. Trwały i zrównoważony rozwój lasów. IBL Warszawa. Wydawnictwo Naukowe ASKON Warszawa.

Sikorska E. 2006. Geografia lasów Polski. Akademia Rolnicza. Kraków.

Remarks (if necessary):