

56S1-GOSPL

FOREST MANAGEMENT

ECTS: 2.5

HOURS PER SEMESTER/WEEK: LECTURES: 15/1; CLASSES: 30/2

FIELD OF THE STUDY: Environmental protection

Level of study: First-cycle (Engineer's degree) program

Course status: obligatory *

Year of the study: IV

COURSE CONTENTS

LECTURES: Basic concepts and definitions used in forestry. Legal basis in forestry. Production and non-production functions of the forest. Forest resources in Poland and in the world. Natural-forest regionalization. Forest site types. Main threats to forests: abiotic, biotic and anthropogenic. Forest arrangement. Principles of forest breeding. Methods of controlling harmful forest insects. Hunting economy in the State Forests. Wood harvesting and transport techniques.

CLASSES: Field exercises: Getting acquainted with the activities of the RDSF in Olsztyn, field exercises in a selected forest district. Project classes: Protection of biodiversity - forms of nature protection in Olsztyn. Practical - auditorium classes: Main species of forest trees and shrubs, Nature protection in the State Forests, Area division of forests, forest protection, timber trade in Poland - e-drewno portal. BDL system, forest certification rules in Poland.

EDUCATIONAL PURPOSE: Familiarizing students with the phenomena, processes and laws occurring in forests, as well as presenting the importance of forest heritage, the role of forests in the development of civilization, forest management, functions performed by forests, sources

LEARNING OUTCOMES

Knowledge. The student knows and understands the terms of the forest, forestry, additional: forest management. Characterizes threats to the forest environment. He learns the legal provisions concerning the forest and forestry.

Skills. The student identifies and analyzes the phenomena occurring in forest ecosystems. It proposes measures related to forest protection against abiotic, biotic and anthropogenic threats.

Social competences. The student can work in a team. Is aware of the responsibility for the forest environment in connection with human activity.

TEACHING FORMS AND METHODS

Lectures. Informative lecture with multimedia presentation

Classes. Field exercises: Getting acquainted with the activities of the RDSF in Olsztyn, field exercises in a selected forest district. Project classes: Protection of biodiversity - forms of nature protection in Olsztyn. Practical exercises: Participation of student

FORM AND CONDITIONS FOR VERIFICATION OF LEARNING OUTCOMES

Lectures. Written test with open and closed questions

Classes. Report on the field trip, Project - Protection of biodiversity - forms of nature protection in Olsztyn. Preparation and presentation of a multimedia presentation. Written test.

BASIC LITERATURE

1) DROZD L., FLOREK M., Gospodarka leśna, Wyd. AR w Lublinie, 2000. 2) KUSIAK W., Jaszczak R, Propedeutyka leśnictwa., Wyd. UP w Poznaniu, 2000. 3) WAŻYŃSKI B, Podstawy gospodarki leśnej., Wyd. UP w Poznaniu, 2014.

ADDITIONAL LITERATURE

1) czasopismo, Echa leśne, od 2000. 2) JAWORSKI A., Charakterystyka hodowlana drzew leśnych., Wyd. Wyd.Gutenberg, 1995.

THE TEACHER/TEACHERS CONDUCTING THE CLASSES:

dr Anna ZAWADZKA anna.zawadzka@uwm.edu.pl

Department of Forestry and Forest Ecology

Plac Łódzki 1, 10-721 Olsztyn, POLAND