Forest Trees in Poland
Educational subject description sheet

Basic information

Field of study
Course Offer for exchange students - second cycle studies, including uniform master studies (MA programmes)

Speciality
-

Organizational unit
Course Offer for exchange students

Study level
second cycle studies, including uniform master studies (MA programmes)

Study form
full-time studies

Education profile
General academic

Didactic cycle
2024/25

Subject code
PWMPWM2S_D.B100000P.06326.24

Lecture languages
english

Mandatory
Elective subjects

Block
Basic subjects

Disciplines

Coordinator	Katarzyna Marciszewska

Teacher	Katarzyna Marciszewska

Period	Examination	Number of ECTS points
Winter semester	Exam **Activities and hours** Lecture: 5 Laboratory exercises: 10 Field exercises: 5	2

Goals

Code	Goal
C1	The course aims to familiarize students with the main species of coniferous and deciduous trees found in the forests of Poland including native and alien species.
C2	in particular the aim is to provide knowledge covering the systematic affiliation of species, their morphological features, ecological requirements, and forest-forming importance.
C3	practical aim for students is to acquire the ability to recognize woody species based on habitat and characteristics of leaves, bark, flowers and fruits or cones.

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge – Student knows and understands:			
W1	systematic affiliation of main forest woody plants in Poland including native and non-native species,		Written credit
W2	features of diagnostic importance for the recognition of coniferous and deciduous species,		Written credit
W3	ecological requirements and forest-forming significance of the studied species,		Written credit
W4	most important factors shaping the dendroflora of Poland.		Written credit
Skills – Student can:			
U1	identify the main species of woody plants found in Polish forests based on diagnostic (morphological and ecological) features,		Project
U2	use basic optical instruments (microscope, magnifying glass) for botanical purposes, and professional keys for plants identification,		Project
U3	communicate verbally and in writing using appropriate botanical terminology to describe woody plants .		Project
Social competences – Student is ready to:			
K1	apply and develop analytical thinking skills in the process of data collection, analysis and information evaluation,		Project

Study content

No.	Course content	Subject's learning outcomes	Activities
1.	Systematic characteristics and richness of dendroflora in Poland against the background of dendroflora in the world. The most important factors that shaped the contemporary dendroflora of Poland	W1, W2, W3, W4	Lecture

2.	Characteristics of selceted families, genera and species including characteristics of leaves, bark, flowers, and fruits or cones. as well as ecological requirements and forest-forming importance.	U1, U2	Laboratory exercises
3.	Field classes are aimed at the practical use of the previously acquired knowledge and skills in the field: they consist of the collection of specimens and photographic documentation to identify native and foreign trees in the forest environment during a forest trip near Warsaw. The results of fieldwork, including data collection, analysis, and evaluation, will be the basis for oral communication or written.	U1, U3, K1	Field exercises

Course advanced

Activities	Methods of conducting classes
Lecture	Lecture
Laboratory exercises	Problem solving, Analysis of source materials, Observation
Field exercises	Case study, Observation, Field observations

Activities	Examination method	Percentage
Lecture	Written credit	50%
Laboratory exercises	Project	25%
Field exercises	Project	25%

Activities	Credit conditions
Lecture	presence and positive assessment.
Laboratory exercises	presence and active participation in all classes, positive assessment.
Field exercises	presence and active participation in all classes, positive assessment.

Literature

Obligatory

1. Recently issued Textbooks in Dendrology e.g. Harlow and Harrar's Textbook of Dendrology, M. Idžojtić Dendrology. Cones, Flowers, Fruits and Seeds etc.
2. Dendrology on-line. https://treesandshrubsonline.org/
3. Stevens, P. F. (2001 onwards). Angiosperm Phylogeny Website. http://www.mobot.org/MOBOT/research/APweb/
4. An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG IV (2016). Botanical Journal of the Linnean Society". 181, 1, s. 1–20, 2016. DOI: 10.1111/boj.12385

Optional

1. Forests in Poland. 2018.
https://www.lasy.gov.pl/pl/informacje/publikacje/in-english/forests-in-poland/fortests-in-poland-2018-4.pdf/view
2. The State Forests in Figures. 2018.
http://www.lasy.gov.pl/pl/informacje/publikacje/in-english/the-state-forests-in-figures/the-state-forests-in-figures-2018.pdf
3. Ciurzycki W., Marciszewska K. 2018. Forest plant communities and their degeneration in the urban forests of Warsaw. Folia Forestalia Polonica, Series A 60(4):269-280. DOI: 10.2478/ffp-2018-00228
4. Ciurzycki W, Budna M., Marciszewska K. 2018. Protection and Threats to the Plant Cover of the Skarpa Ursynowska Nature Reserve in Warsaw. Ann. WULS -SGGW, For. and Wood Technol.104,481-491.
5. Ciurzycki W., Marciszewska K. 2016. Flora of pine forests on former farmlands and in ancient forests in the Chojnów Forest District. Ann. WULS - SGGW, For. and Wood Technol. 93: 30-36.

Calculation of ECTS points

Activity form	Activity hours*
Lecture	5
Laboratory exercises	10
Field exercises	5
Self-study on the content covered in class	10
Preparing the project	20
Preparation of a multimedia presentation	10
Student workload	**Hours** 60
Number of ECTS points	**ECTS** 2

* hour means 45 minutes