

SYLLABUS

Spring and semester 2026/2027

Lecturer: fall semester - dr hab. Teresa Hazubska-Przybył

spring semester – dr hab. Daniel J. Chmura

Title of the course	Selected topics in forest science
Institution where the course will take place	Institute of Dendrology Polish Academy of Sciences
Language	English
Learning objectives	P8S_WG PhD Student gains organized knowledge of methods and research techniques used in the range of problems in forestry. PhD Student is familiar with analytical tools and methods, is able to describe the principles behind the methods, and define the scope of questions possible to address with available research techniques. P8S_WK PhD Student knows and understands: the fundamental dilemmas of modern civilization, especially related to forestry and nature conservation; the economic, legal, ethical and other essential conditions of conducting scientific research. P8S_UW PhD student is able to identify appropriate analytical approach for specific research problems in forest science. P8S_UK PhD student is able to identify and discuss the advantages and disadvantages of particular methods in addressing research problems introduced in the subject. P8S_KK PhD student is ready to critically evaluate the scientific achievements in forestry; understands and appreciates the significance of scientific investigations in the discussed aspects of forest science.
Learning outcomes, according to Attachment 2 to the Programme of the Study (valid from October 1st 2026)	P8S_WG (pkt. 1,2,3,4), P8S_WK (pkt. 1, 4), P8S_UW (pkt. 1,2,3), P8S_UU/UO (pkt. 1), P8S_KK (pkt. 1), P8S_UK (pkt. 1, 2,3)
Type of the course	Obligatory seminar
Semester/Year	Spring semester 2026
Name of the lecturer	dr hab. Teresa Hazubska-Przybył dr hab. Daniel J. Chmura
Name of the examiner	credits: dr hab. Daniel J. Chmura
Teaching methods	Presentation and didactic discussion. Student: own work with the literature and presentation
Attendance requirements	Knowledge of the basis of forest ecology, plant

	biology and physiology and biochemistry, plant genetics.
Number of ECTS points	2 ECTS
Number of lectures	10
Didactic methods	Case study method, and didactic discussion. Student: own work with the literature.
Methods of verification and assessment of learning outcomes	Assessment methods: - active participation in discussion - presentation
Conditions of a positive evaluation	Attendance and active participation in discussion. Attendance is obligatory, except for documented earlier planned participation in conferences, training courses, and scientific workshops related to the implementation of the doctoral thesis, sick leave, a significant life-event, or an emergency.
Course content	• Forest ecology and ecophysiology • Global change and forest disturbances • Forest genetics and tree breeding • Silviculture and forest management • Forest protection and nature conservation
Literature of the course materials	Literature will be provided during the lectures