

LAR205 Plant Material II

Department of Landscape Architecture – Compulsory course

Credit: 3 ECTS: 5



Course Description: This course explores plant science, specifically focusing on the broad-leaved trees and shrubs within the Angiosperms group. It investigates their soil requirements, ecological roles, and applications in ecological design, emphasizing sustainable practices. The course also highlights the architectural and aesthetic use of ornamental plants, considering properties such as plant height, diameter, and leaf, branch, flower, and fruit characteristics for environmentally conscious landscaping.

Course Outcomes:

- Students will apply sustainable soil management practices tailored to the ecological group of ornamental plants, promoting environmental stewardship in landscaping projects.
- Participants will assess the architectural and aesthetic potential of broad-leaved trees and shrubs, integrating knowledge of plant height, diameter, and leaf, branch, flower, and fruit characteristics for sustainable and visually pleasing landscape design.
- Gain proficiency in selecting growing media suitable for ornamental plants, considering ecological requirements to promote healthy plant growth and minimize environmental impact.
- Understand the natural distribution areas of Angiosperms, enabling students to make informed decisions in plant selection for diverse ecological contexts, contributing to sustainable biodiversity.
- Develop skills in utilizing ornamental plants for ecological design, recognizing their role in enhancing biodiversity, ecosystem services, and overall environmental sustainability in urban and natural settings.