Syllabus

Kursbeschreibung

Titel der Lehrveranstaltung	Allgemeine Baumkunde
Code der Lehrveranstaltung	40188
Zusätzlicher Titel der Lehrveranstaltung	
Wissenschaftlich-disziplinärer Bereich	AGRI-03/A
Sprache	Italienisch
Studiengang	Bachelor in Agrar-, Lebensmittel- und Bergumweltwissenschaften
Andere Studiengänge (gem. Lehrveranstaltung)	
Dozenten/Dozentinnen	Prof. Massimo Tagliavini, Massimo.Tagliavini@unibz.it https://www.unibz.it/en/faculties/agricultural-environmental-food-sciences/academic-staff/person/209 Prof. Carlo Andreotti, Carlo.Andreotti@unibz.it https://www.unibz.it/en/faculties/agricultural-environmental-food-sciences/academic-staff/person/27175
Wissensch. Mitarbeiter/Mitarbeiterin	
Semester	Erstes Semester
Studienjahr/e	2
KP	6
Vorlesungsstunden	36
Laboratoriumsstunden	24
Stunden für individuelles Studium	90
Vorgesehene Sprechzeiten	18
Inhaltsangabe	Tree morphology Basics of tree physiology Vegetative cycle

	Reproductive cycle (fruit growth and maturation) Tree propagation Tree plantation establishment General criteria of tree management
Themen der Lehrveranstaltung	Topics covered in the course: Morphology of the aerial and root part of trees Elements of tree physiology Bud formation and floral biology Fruit growth and ripening Growth and vegetative development Propagation of trees and organisation of the nursery system Genetic improvement of tree crops Rootstocks Growing environment and interactions with trees Arboretum planting Training forms and pruning Irrigation Fertilisation Soil surface management Thinning and use of growth regulators Harvesting
Stichwörter	Bäume, Anbau, Physiologie, Morphologie, Vermehrung
Empfohlene Voraussetzungen	Der erfolgreiche Abschluss der Prüfung "Agrarökologie und Grundlagen der Pflanzenproduktion" wird empfohlen.
Propädeutische Lehrveranstaltungen	no
Unterrichtsform	Lectures, tutorials, laboratory activities and excursion; face-to-face teaching
Anwesenheitspflicht	no
Spezifische Bildungsziele und erwartete Lernergebnisse	Knowledge and understanding of the biological and physiological characteristics of cultivated trees and their interactions with the environment. Applying Knowledge and understanding through the analysis of growth and reproductive cycles to predict growth and yield scenario as a consequence of environmental changes and management practices.

	Making judgments To be able to identify for a given environment and production system, the most suitable management techniques in order to improve its economic and ecological sustainability. Communication skills Ability to present and discuss the acquired knowledge using a scientific terminology and sound arguments. Learning skills Ability to autonomously extend the knowledge acquired during the course by critically reading of scientific literature.
Spezifisches Bildungsziel und erwartete Lernergebnisse (zusätzliche Informationen)	Knowledge and understanding of the morphology, biology and physiology of trees in relation to the environment and cultivation techniques. Ability to apply knowledge and understanding through the analysis of the vegetative and reproductive cycles of cultivated trees and the student's ability to predict their behaviour under varying environmental and cultivation conditions. Autonomy of judgement in the critical analysis of the level of sustainability of cultivation techniques and the choice of plant material for a given environment .
Art der Prüfung	The course examination is conducted on the basis of an oral test with questions testing the knowledge acquired, its understanding and its application and transfer to applied cases.
Bewertungskriterien	Awarding a single final grade. Criteria for awarding the grade: the clarity of the answer, the appropriate use of the terminology, the ability to summarise, the argumentative pertinence, the autonomy of judgement and the ability to re-elaborate are assessed.
Pflichtliteratur	Copies of the slides presented by the lecturer, available in the 'reserve collection' - Sansavini S. et al. (ed.), General Arboriculture. Patron publisher. 2012.

Weiterführende Literatur	Dizionario tecnico trilingue "The terms related to grapes and fruit: a small technical dictionary" Applied Tree Biology di Andrew D. Hirons e Peter A. Thomas. 2018 Gentile, Inglese e Tagliavini (ed.), Arboricoltura Speciale. Edagricole. 2022
Weitere Informationen	Lessons are recorded by the lecturer
Ziele für nachhaltige Entwicklung (SDGs)	Keine Armut, Leben an Land, Gesundheit und Wohlergehen, Kein Hunger