Syllabus

Kursbeschreibung

Titel der Lehrveranstaltung	Obstbau
Code der Lehrveranstaltung	40199
Zusätzlicher Titel der Lehrveranstaltung	
Wissenschaftlich-disziplinärer Bereich	AGR/03
Sprache	Englisch
Studiengang	Bachelor in Agrar-, Lebensmittel- und Bergumweltwissenschaften
Andere Studiengänge (gem. Lehrveranstaltung)	
Dozenten/Dozentinnen	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	Zweites Semester
Studienjahr/e	3
KP	6
Vorlesungsstunden	40
Laboratoriumsstunden	20
Stunden für individuelles Studium	90
Vorgesehene Sprechzeiten	18
Inhaltsangabe	The course belongs to the class "caratterizzanti" of the Study Course, within the group of "Produzioni vegetali". Objective of the course is to allow students to get good knowledge of the general scientific subjects of the course and to allow them to develop professional skills in the area of fruit production. The course aims to develop student's scientific and technical knowledge that is needed for a critical approach to problems related to fruit

	production. Student will gain knowledge on different aspects related to the quality, sustainability and management of the fruit production processes.
Themen der Lehrveranstaltung	For the following fruit species, a monographic approach is followed, with information related to botanical aspects, economic relevance at national and international level, environmental conditions for a sustainable cultivation, cultivation technique and cultivars/rootstocks. • Pomaceous fruit species (apple, pear) • Stone fruit species (peach, cherry, plum, apricot) • Strawberry and other small fruit species (blueberry, raspberry, etc.) • Kiwifruit • Temperate nut trees (Chestnut, hazelnut, walnut, almond) • Citrus species • Olive • Table grape • Selected tropical fruit crops
Stichwörter	fruit crops, genetic resources, cultivars, crop ecology, orchard management
Empfohlene Voraussetzungen	
Propädeutische Lehrveranstaltungen	no
Unterrichtsform	Frontal lectures and exercises
Anwesenheitspflicht	no
Spezifische Bildungsziele und erwartete Lernergebnisse	Knowledge and understanding • Knowledge of the most important scientific and technical traits of the main fruit tree species Applying knowledge and understanding • Be able to distinguish the main characters and cultural constrains of fruit tree cultivations • Be able to identify the most relevant limiting factors (deriving from the environment or related to the cultivation technique) for a sustainable fruit cultivation Making judgments • Through the critical evaluation of the environmental parameters • Through the critical evaluation of the several available agronomic

	approaches Communication skills • Ability to communicate the acquired knowledge by using a correct scientific and technical language Learning skills • Ability to autonomously extend the knowledge acquired during the study course by reading and understanding scientific and technical documentation.
Spezifisches Bildungsziel und erwartete Lernergebnisse (zusätzliche Informationen)	
Art der Prüfung	Oral exam. The evaluation will be conducted with questions aimed to verify student's knowledge and comprehension of the course topics. Questions will be asked with the aim to evaluate the student's capacity to apply his knowledge to solve specific case studies given by the teacher on subjects related to the fruit cultivation. The making judgment capacity of the student will be evaluated also by asking his critical opinion on the different subjects discussed during the exercises.
Bewertungskriterien	The final mark will reflect the quality of the student's answers to the questions. Particularly important will be the capacity showed by the student to fully manage the acquired knowledge, also by showing the ability to make connections between different thematic areas. The ability to develop a personal critical view on specific scientific problems will be also positively considered
Pflichtliteratur	Lesson notes and didactic materials (papers) loaded on Teams
Weiterführende Literatur	Suggested text books: -"Arboricoltura speciale", 2022. Edited by Gentile, Inglese, Tagliavini, Edagricole (Bologna) - "Principles of Modern Fruit Science", 2019. Edited by Sansavini, S., Costa, G., Gucci, R., Inglese, P., Ramina, A., Xiloyannis, C., and Desjardins,Y., Leuven, Belgium: ISHS), pp.421. ISBN 978-94-6261-204-4 -"Fundamentals of temperate zone tree fruit production", 2005,

	Edited by Tromp, Webster and Wertheim, Backhuys Publishers.
Weitere Informationen	
Ziele für nachhaltige Entwicklung (SDGs)	Nachhaltiger Konsum und Produktion, Kein Hunger