

General information	
Academic subject	General Arboriculture
Degree course	Agricultural Sciences and Technologies (STA)
Academic Year	Second
European Credit Transfer and Accumulation System (ECTS)	6
Language	Italian
Academic calendar (starting and ending date)	Second semester
Attendance	Highly recommended

Professor/ Lecturer	
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Department and address	DiSAAT - tree crops, fourth floor, room 49
Virtual headquarters	Microsoft TEAMS
Tutoring (time and day)	To be agreed

Syllabus	
Learning Objectives	The course aims to provide the knowledge of the junior agronomist and make the technician capable of guaranteeing the safety and sustainability of tree production by innovative technologies. Then the student will have the necessary knowledge to provide assistance and advice to farms that cultivate trees and companies that operating in large-scale distribution.
Course prerequisites	I.C. Plant Biology examination is preparatory to General Arboriculture examination. Moreover, knowledge of mathematics, physics and agronomy are preliminary.
Contents	The teaching concerns: propagation and nursery activity, biology and fruiting of trees, climatic and pedological needs of tree crops in a temperate climate, planting and management of the orchard with particular regard to the fruits ripening and harvesting.
Books and bibliography	AA. VV. ARBORICOLTURA GENERALE. Pàtron Editore, 2012 AA. VV. MANUALE DI ORTOFRUTTICOLTURA. Edagricole, 2012
Additional materials	Notes from lectures

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
Hours			
150	40	20	90
ECTS			
6	4	2	
Teaching strategy	Frontal teaching, study visits in the company (Martucci-Uniba, Valenzano), thematic seminars held by external professionals. There is no e-learning course.		

Expected learning outcomes	
Knowledge and understanding on:	<ul style="list-style-type: none"> • Knowledge and understanding of topics concerning the fruit propagation and nursery activity; • knowing how to interpret and use acquired knowledge for the construction and management of orchards.
Applying knowledge and understanding on:	<ul style="list-style-type: none"> • Knowledge, ability to apply, independent judgment, communication skills and ability to learn the quantitative and qualitative aspects of fruit production for fresh consumption and for industry, including sustainability, knowledge of the technical means, systems and products used for integrated and organic production of fruit trees; • application of quality certification standards and eco-sustainable production regulations; • estimate of the damage caused to fruit tree crops by abiotic adversities.
Soft skills	<ul style="list-style-type: none"> • <i>Making informed judgments and choices</i> At the end of the course, the student must be able to develop the ability to autonomously acquire, understand and process data relating to business, economic, logistical and production contexts. The aim is to provide the student with the tools and autonomy of judgment aimed at representing complex problems and the relative resolutions; • <i>Communicating knowledge and understanding</i> At the end of the course, the student must be able to develop the skills of: 1. Communicating with entrepreneurs and technicians of agricultural production, product managers, logistics managers, management control personnel; 2. Promote coordination between the technical areas responsible for primary production, logistics and the management of information systems; 3. Present the results of projects; • <i>Capacities to continue learning</i> At the end of the course, the student must be able to maintain and develop the knowledge imparted both as an independent activity of deepening and acquisition of further notions and technical knowledge.

Assessment and feedback	
Methods of assessment	The exam consists of an oral test on the topics developed in class and in the field, as reported in the didactic regulations of the course of study and in the study plan. the evaluation of the student's preparation takes place according to the criteria established in the didactic regulations of the course of study. for students enrolled in the course year in which the teaching is carried out, an intermediate test consisting of 30 questions, including open questions, is foreseen.
Evaluation criteria	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i> Knowledge and understanding of topics concerning the propagation of fruit trees and nursery activities; knowing how to interpret and use the knowledge acquired for the realization of the orchard, the management of the orchards, with particular reference to the ripening and harvesting of fruits;

	<ul style="list-style-type: none"> • <i>Applying knowledge and understanding autonomy of judgment, communication skills and communicating knowledge:</i> ability to learn the quantitative and qualitative aspects of fruit production for fresh consumption and for industry, including sustainability, knowledge of the technical means, systems and products used for the integrated and organic production of fruit trees, the application of quality certification standards and eco-sustainable production regulations, the estimation of the damage caused to fruit tree crops by abiotic adversities.
Criteria for assessment and attribution of the final mark	Final grade is awarded out of thirty. The exam is passed when the grade is greater than or equal to 18. The written exemption test, consisting of 30 multiple choice questions, it is considered passed when the student correctly answers at least 18 questions. In any case, the student has the right to take the final exam, declaring at the beginning of the exam oral not to consider the mark of the exemption test, even if higher 18. For students who have taken the exemption test, the assessment of the final exam is expressed as the average of the marks reported the written exemption and the oral exam. Praise is awarded at the student who demonstrates excellent argumentation and presentation skills with technical terms.
Additional information	