

General information	
Academic subject	FRUIT TREE CROPS – I.C. Agronomy and Fruit Tree Crops
Degree course	Land and Environmental Science and Technology
Academic Year	Third
European Credit Transfer and Accumulation System (ECTS)	3
Language	Italian
Academic calendar (starting and ending date)	Second semester
Attendance	Highly recommended

Professor/ Lecturer	
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Virtual headquarters	Microsoft TEAMS
Tutoring (time and day)	To be agreed

Syllabus	
Learning Objectives	The course aims to provide knowledge and skills of the junior agronomist / forestry able to: lead agricultural-forestry companies, carry out consultancy activities for the technical aspects relating to the production of tree crops, carry out technical activities in associations, consortia , cooperatives, commercial structures, carry out technical assistance to agricultural enterprises including analysis, design, planning and programming activities, carry out consultancy activities in national and international bodies and non-profit companies linked to the primary sector, the management of territorial resources and to environmental assets, to carry out activities of experimenter in public bodies and private companies.
Course prerequisites	Knowledge of mathematics, physics, botany and agronomy are preliminary.
Contents	The teaching topics concern basic knowledge of the main ones fruit tree species with a temperate climate. Particular attention will be paid to landscape and environmental context, variety choices, characteristics commodities of production and fruit 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			
75	20	10	45
ECTS			
3	2	1	

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:	Basic knowledge and understanding of topics concerning the main fruit tree species with a temperate climate in a landscape context e environmental, varietal choices, product characteristics of production and fruits harvest.
Applying knowledge and understanding on:	Knowledge, ability to apply, independent judgment, communication skills e ability to learn the basic principles of fruit production for consumption fresh and for industry, the variety choices, the product characteristics of the fruit production of the main fruit tree species with a temperate climate, relative to the landscape and environmental context.
Soft skills	<ul style="list-style-type: none"> • Making informed judgments and choices At the end of the course, the student must be able to develop the ability to acquire, understand and process information on the context environmental and productive of the agroforestry territory, evaluating the implications on the agro-forestry system, with particular attention to eco-management compatible and sustainable resources. The verification is conducted in the examination • Communicating knowledge and understanding At the end of the course, the student must be able to develop the ability to communicate with officials and managers of public administrations responsible for the management of the territory, with representatives of organizations of category and with managers of private companies whose activities involve interactions with the agro-forestry system. He is able to present the results of projects and works developed in person or in group activities, through the drafting of technical reports. Communication skills are ascertained through the oral exam provided for in the final exam. • Capacities to continue learning At the end of the course, the student must be able to maintain and develop the knowledge imparted both as an autonomous 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"> • Knowledge and understanding on matters concerning basic principles of fruit production for fresh consumption and for the industry, the variety choices, the product characteristics of the fruit production of the main climate fruit tree species temperate, relative to the landscape and environmental context. • Applying knowledge and understanding autonomy of judgment,

	communication skills and communicating knowledge of basic principles of fruit production for fresh consumption and for industry.
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	