

General Information	
Academic subject	HORTICULTURE
Degree course	Agricultural Science and Technology
Curriculum	Rural System Management
ECTS credits	3
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Renna Massimiliano	massimiliano.renna@uniba.it	AGR/04

ECTS credits details	Area	ECTs	
Basic teaching activities	Crop production	3	

Class schedule	
Period	II half
Year	II
Type of class	Lecture- workshops

Time management	
Hours	75
In-class study hours	30
Out-of-class study hours	45

Academic calendar	
Class begins	5th March, 2018
Class ends	22nd June, 2018

Syllabus	
Prerequisites/requirements	Agronomy and Plant biology (preparatory)
Expected learning outcomes (according to Dublin Descriptors) (it is recommended that they are congruent with the learning outcomes contained in A4a, A4b, A4c tables of the SUA-CdS)	<p><i>Knowledge and understanding</i></p> <ul style="list-style-type: none"> • Knowledge of the main characteristics and problems of the horticultural sector. • Basic knowledge of technical and agronomic aspects for producing vegetables. • Knowledge of the most important pre- and post-harvest factors that determine the quality profile of the main horticultural crops for fresh consumption and agro-industrial uses. <p><i>Applying knowledge and understanding</i></p> <ul style="list-style-type: none"> • Ability to apply the acquired knowledge for the use of systems and cultivation techniques that optimize the production of vegetable species in relation to the commercial destination. <p><i>Making informed judgements and choices</i></p> <ul style="list-style-type: none"> • Ability to acquire and evaluate technical-scientific information to process, independently, judgments and solutions relating to product and process quality of the horticultural sector both as a freelance professional and

	<p>entrepreneur.</p> <p><i>Communicating knowledge and understanding</i></p> <ul style="list-style-type: none"> • Ability to communicate with entrepreneurs, technicians and all professional figures of the horticultural sector. • Ability to draw up technical reports aimed to present the results of work and/or projects. <p><i>Capacities to continue learning</i></p> <ul style="list-style-type: none"> • Ability to find and acquire further technical and scientific knowledge to deal with the professional technical issues in the horticultural sector. • Ability to use the methodological tools to successfully deal with horticultural disciplines under Advanced Degree courses. <p>The expected learning outcomes, in terms of knowledge and skills, are listed in Annex A of the Study Course Regulation (expressed through the European Degree Program descriptions).</p>
Contents	<p>Definition and classification of the vegetables. Reference scenario of the horticulture: cultivation area, production and use of the vegetables. Biodiversity of the vegetables species. Implantation of horticultural crops: sowing, transplanting and herbaceous grafting. Climate and cultivation in protected environments. Irrigation and fertilization of horticultural crops with special emphasis to the nitrate problem. Principles of soilless cultivation. Harvest and postharvest. Quality of the horticultural products.</p> <p>Cases studies: asteraceae, solanaceae, brassicaceae.</p>
Course program	
Bibliography	<ul style="list-style-type: none"> • SANTAMARIA P., SERIO F., 2009. Orticoltura (a cura di). CRSA, Locorotondo (Bari), 242 pag. • BIANCO V.V., PIMPINI F., 1990. Orticoltura. Patron editore, Bologna, 991 pag.
Notes	The first book is provided to students in pdf format. All texts are recommended for further reading.
Teaching methods	<p>Lectures will be presented through PC assisted tools (Power Point).</p> <p>The teaching material will be available also on an online platform.</p>
Assessment methods (indicate at least the type written, oral, other)	Oral
Evaluation criteria (Explain for each expected learning outcome what a student has to know, or is able to do, and how many levels of achievement there are.	<p>For students registered in the course of a year in which the teaching is done, there will be an oral test. The outcome of this test contributes to the evaluation of the examination of profit and is valid for one academic year.</p> <p>According to the common calendar for the course of study, students can take the exemption on the first part of the course. The exam consists of an oral exam on the topics developed during the hours of lecture and theory and practice in the classroom and in the laboratory / production farms, as reported in the Academic Regulations for the Degree Course STA (Art. 9) and the plan study (Annex A).</p> <p>The evaluation of the student's preparation is based on pre-</p>

	<p>established criteria, as detailed in Annex A of the Academic Regulations for the Degree Course STA.</p> <p>For students who have stood the test of exemption, the examination of profit assessment is of thirty, and averaging the obtained votes.</p> <p>The exam will consist of an oral test with questions related to the programme.</p>
Further information	Visiting hours: Monday to Thursday, by previous agreement.