

<b>General Information</b>	
Academic subject	<b>Vegetable crops (Module of Vegetable crops and Organic agriculture)</b>
Degree course	<b>Master degree in Agricultural and Environmental Science (LM69)</b>
Curriculum	
ECTS credits	6
Compulsory attendance	No
Language	Italian (English will be used when required for foreign students into didactic material)

<b>Subject teacher</b>	<b>Name Surname</b>	<b>Mail address</b>	<b>SSD</b>
	Pietro Santamaria	pietro.santamaria@uniba.it	AGR/04

<b>ECTS credits details</b>	<b>Area</b>	<b>ECTS</b>
Basic teaching activities	Crop production	6

<b>Class schedule</b>	
Period	First semester
Year	Second year
Type of class	Lectures 4 ECTS (32 hours) Laboratory and field classroom, working groups, study case, and transferring of stakeholders' experiences 2 ECT (28 hours) E-learning using public (eg Teams) platform can be used.

<b>Time management</b>	
Hours	150
In-class study hours	60 (32 Lectures + 28 Lab & field cl.)
Out-of-class study hours	90

<b>Academic calendar</b>	
Class begins	2021 March 1
Class ends	2021 June 11

<b>Syllabus</b>	"Agronomy" request for admission to the Master course.
Prerequisites/requirements	"Agronomy" and "Vegetable and floriculture crops" requests for admission to the Master course.
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"> <li>○ Knowledge of design and sustainable management of vegetable crops to improve quality, yield, agro-biodiversity, post-harvest and marketing of products.</li> </ul> <p><i>Applying knowledge and understanding</i></p> <ul style="list-style-type: none"> <li>○ Ability in innovative design and management of vegetable crops and products to improve the sustainability of productions.</li> </ul> <p><i>Making informed judgements and choices</i></p> <ul style="list-style-type: none"> <li>○ Ability to analyse the different situations of a production and market environment, to plan and to manage actions to improve the quality and efficiency of vegetable crops, also in terms of sustainability and biodiversity.</li> <li>○ The acquisition of judgment autonomy is verified by evaluation of the teaching.</li> </ul> <p><i>Communicating knowledge and understanding</i></p> <ul style="list-style-type: none"> <li>○ Personal skills aimed at communication, multidisciplinary group work and judgmental skills both at the technical and the human and ethical levels.</li> </ul> <p><i>Capacities to continue learning</i></p> <ul style="list-style-type: none"> <li>○ The results of the expected learning, in term of knowledge and ability, are listed in the Annex A of the Didactic Regulation of the Master Course (expressed by the European descriptors of the study title).</li> </ul>

Contents	<ul style="list-style-type: none"> <li>○ Presentation of the course: Contents, objectives and methods of carrying out the course. Biodiversity of vegetable crops. Micro-vegetables (2 ECTS, 12 h lectures + 7 h Lab &amp; field cl.)</li> <li>○ Local varieties. Nitrogen, vegetable quality and environment (1.5 ECTS, 8 lectures + 7 h Lab &amp; field cl.)</li> <li>○ Artichoke, cauliflower, broccoli, lettuce and leafy vegetables, early potato, tomato, visits to production and / or experimental companies (2.5 ECTS, 12 lectures + 14 h Lab &amp; field cl.)</li> </ul>
<b>Course program</b>	
Bibliography	<ul style="list-style-type: none"> <li>○ Pardossi A., Gianquinto Prosdocimi G., Santamaria P., Incrocci L., <i>Orticultura. Principi e pratica</i> (a cura di). Edagricole - New Business Media, Milano, 2018.</li> </ul>
Notes	<ul style="list-style-type: none"> <li>○ The text is recommended for further reading.</li> <li>○ To study, students will be able to use lesson notes and shared documents on Dropbox' platform.</li> </ul> <p><b>Examples of websites</b></p> <ul style="list-style-type: none"> <li>○ <a href="http://www.biodiversitapuglia.it">www.biodiversitapuglia.it</a></li> <li>○ <a href="http://www.fao.org">www.fao.org</a></li> <li>○ <a href="http://www.reterurale.it">www.reterurale.it</a></li> </ul>
Teaching methods	<ul style="list-style-type: none"> <li>○ Lectures will be presented through PC assisted tools (Power Point).</li> <li>○ The course will also be managed with a series of electronic documents (pdf of the lesson, scientific publications for in-depth study and questions for self-assessment).</li> </ul>
Assessment methods (indicate at least the type written, oral, other)	<ul style="list-style-type: none"> <li>○ Oral</li> </ul>
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).	<ul style="list-style-type: none"> <li>○ For students enrolled in the year in which the teaching is done, there will be a midterm exam as oral test.</li> <li>○ The evaluation is expressed in thirtieths and the achievement of a minimum grade of 18/30 is needed.</li> <li>○ The mark of the midterm exam contributes proportionally to the ECTS to the final evaluation of the exam, but only within one academic year.</li> <li>○ According to the common calendar for the course of study, students can take the exemption on the first part of the course (agrobiodiversity, vegetable landraces, environmental sustainability and product quality).</li> <li>○ The final exam will consist on an oral test.</li> <li>○ The evaluation of the student will be based on established criteria, as explained in the Guideline of the Master Degree. The final grade will be an average of both midterm and final exams of two modules).</li> </ul>
Further information	<p><b>Visiting hours</b></p> <ul style="list-style-type: none"> <li>○ Official visiting hours: 8.30-15.30 according to an established appointment requested by phone or e-mail. Tutoring could be also on e-learning platforms.</li> </ul>