



# UNIVERSITÀ DEGLI STUDI DI PALERMO

<b>DEPARTMENT</b>	
<b>ACADEMIC YEAR</b>	
<b>ANNO ACCADEMICO EROGAZIONE</b>	
<b>SUBJECT</b>	
<b>CODE</b>	
<b>SCIENTIFIC SECTOR(S)</b>	
<b>HEAD PROFESSOR(S)</b>	DI LORENZO ROSARIO Professore Ordinario Univ. di PALERMO
<b>OTHER PROFESSOR(S)</b>	DI LORENZO ROSARIO Professore Ordinario Univ. di PALERMO MARRA FRANCESCO Professore Ordinario Univ. di PALERMO PAOLO
<b>CREDITS</b>	
<b>PROPAEDEUTICAL SUBJECTS</b>	
<b>MUTUALIZATION</b>	
<b>YEAR</b>	
<b>TERM (SEMESTER)</b>	
<b>ATTENDANCE</b>	
<b>EVALUATION</b>	
<b>TEACHER OFFICE HOURS</b>	<b>DI LORENZO ROSARIO</b> Monday 08:00 13:00 Marsala. Studio del docente Thursday 08:00 13:00 Palermo. Studio del docente <b>MARRA FRANCESCO</b> <b>PAOLO</b> Monday 09:00 11:00 Sede polo decentrato di Caltanissetta Tuesday 09:00 13:00 Thursday 09:00 13:00

**DOCENTE:** Prof. ROSARIO DI LORENZO

<b>PREREQUISITES</b>	In order to understand the content and the learning objectives of the course the student should have basic knowledge of general horticulture and viticulture
<b>LEARNING OUTCOMES</b>	<p>Knowledge and ability 'to understand</p> <p>The course aims to give at the students scientific and technical knowledge necessary to know the specificity of the viticulture and horticulture sector. The students will gain the knowledge needed to understand the possible response of the orchard to changes in environmental factors (eco-physiological aspects) and cultivation (management aspects). In particular, students will be able to understand the physiological processes that allow the grape and fruit trees varieties to tolerate / overcome / recover abiotic stress conditions (water stress, heat and bright) and the criteria for deciding if and how to intervene to help / interfere on some fundamental biological processes for the purpose of fruiting.</p> <p>Capacity 'to apply knowledge and understanding</p> <p>The course conveys the knowledge and skills needed to set up and run the grape and fruit orchard systems, according to the different production objectives and the different type of system. It also allows to understand with holistic approach the relationships between climate, biotic, cultural practices productivity 'and quality' of production and is a basic requirement to successfully apply the knowledge gained to the production world.</p> <p>Making judgments</p> <p>Be able to harmonize all production factors (environment, cultivars, crop management) and suggest innovative solutions to facilitate the best outcome of the production.</p> <p>Enable 'communicative</p> <p>The student, once acquired the specific technical vocabulary and being in possession of fundamental knowledge about the processes of vegetative and reproductive biology and agronomic requirements, He can advise managers and target the wine growers in the most' appropriate technical choices in order to the economic success of the crop.</p> <p>Capacity 'Learning</p> <p>Is expressed in acquiring the ability to relate the different factors that go into determining the productive results in the sector of fruit trees, wine and table grapes, adapting the choices to changing socio-economic conditions of the market, the destination of the product taking into account the most recent technical innovations that can contribute to the achievement of production targets.</p>
<b>ASSESSMENT METHODS</b>	<p>The Assessment method will be the oral exam. The student will have to answer at least two / three questions, on all parts of the program, with reference to the topics discussed in the lectures, in exercises, the textbooks and teaching materials provided by the teacher. Final assessment aims to evaluate whether the student has knowledge and understanding of the topics, has acquired interpretative competence and independence of judgment in concrete cases. Sufficiency will be reached when the student shows knowledge and understanding of Topics at least in general terms, and has minimal application expertise that can speak of table grapes and partial approach to the resolution of specific cases; It will also have presentation skills and argumentative as to allow the transmission of his knowledge to the examiner. Below this threshold, the examination will be insufficient. The more, however, the examinee with its argumentative and presentation skills can interact with the examiner, and the more his knowledge and application capabilities go into detail on the subject of discipline occurs, the more the assessment is positive.</p> <p>The assessment is carried out of thirty</p>
<b>TEACHING METHODS</b>	Lecture and vineyards tours and exercise in the field