



# 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>	BADALUCCO LUIGI      Professore Ordinario      Univ. di PALERMO
<b>OTHER PROFESSOR(S)</b>	BADALUCCO LUIGI      Professore Ordinario      Univ. di PALERMO SCALENGHE      Ricercatore      Univ. di PALERMO RICCARDO
<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>	<p><b>BADALUCCO LUIGI</b></p> <p>Monday 09:00 10:00 Sede CdL Viticoltura ed Enologia - Marsala (TP)</p> <p>Tuesday 09:00 10:00 Sede CdL Viticoltura ed Enologia - Marsala (TP)</p> <p>Wednesday 09:00 10:00 Dipartimento Scienze Agrarie, Alimentari e Forestali, Edificio 4, piano I, Viale delle Scienze, Palermo</p> <p>Thursday 09:00 10:00 Dipartimento Scienze Agrarie, Alimentari e Forestali, Edificio 4, piano I, Viale delle Scienze, Palermo</p> <p>Friday 10:00 11:00 Sede CdL Viticoltura ed Enologia - Marsala (TP)</p> <p><b>SCALENGHE RICCARDO</b></p> <p>Monday 08:00 19:00 Piattaforma Teams (prenotarsi con una email)</p> <p>Tuesday 08:00 19:00 Piattaforma Teams (prenotarsi con una email)</p> <p>Wednesday 11:30 14:30 Dipartimento SAAF - Agronomia (Edificio 4, Ingresso L, 2° piano)</p> <p>Thursday 08:00 19:00 Piattaforma Teams (prenotarsi con una email)</p> <p>Friday 08:00 19:00 Piattaforma Teams (prenotarsi con una email)</p>

**DOCENTE:** Prof. LUIGI BADALUCCO

<b>PREREQUISITES</b>	Fundamentals of general and inorganic chemistry, and organic chemistry, basic knowledge.
<b>LEARNING OUTCOMES</b>	<p>Knowledge and understanding skill Acquisition of cognitive bases on biochemical transformations within living organisms, but also on soil biological properties, in order to understand peculiar subjects dealing with the soil-plant system under viticulture and enology areas, with the proper use of specific language and notions. Moreover, the ability to interpret soil mapping, to describe soil profiles and to classify a soil by WRB, but also to cross-correlate a pedological classification.</p> <p>Skill to apply knowledge and understanding Ability to understand if and when a viticultural and/or enological issue is resolvable resorting to the acquired knowledges about the soil-plant system. Skill to search information in foreign languages, their analysis and synthesis. Study capacity through English literature</p> <p>Judgement autonomy Formulation of one's own logical pathway of cause-effect on the origin of recognized issues about the science of the soil-plant system, in order to sustain one's own independent hypotheses to resolution</p> <p>Communication skills Presentation capacity, also to an incompetent audience and resorting to multi-media technology, of the techno-scientific explanations to the identified issues on the science of the soil-plant system, as well as of the hypotheses for their resolution</p> <p>Learning skill Capacity to find the reliable information sources (textbooks but also specialized, scientific journals) for a one's own independent pathway to updating and techno-scientific progress, together with the most shared and established national and international trends on issues about the soil-plant system with regard to viticulture and enology.</p>
<b>ASSESSMENT METHODS</b>	<p>The purpose of examination tests will be to verify the acquisition of cognitive bases on biochemical transformations within living organisms, but also on soil biological properties, in order to understand peculiar subjects dealing with the soil-plant system under viticulture and enology areas, with the proper use of specific language and notions. Moreover, the ability to interpret soil mapping, to describe soil profiles and to classify a soil by WRB, but also to cross-correlate a pedological classification.</p> <p>In order to pass the whole examination, the student has to solve at least 2 questions each 3 CFU, i.e. 8 in total.</p> <p>The global assessment of the achieved learning will consist on a first oral ongoing test concerning 2/3 of subjects relative to the unit of "Agricultural Chemistry", i.e. dealing with "General Biochemistry" (6 CFU). Then, two more oral ongoing tests concerning together the "Soil" topic (the first one relative to the unit of "Fundamentals of Pedology" (3 CFU), and the other dealing with to the last 1/3 of the "Agricultural Chemistry", i.e. about Soil Chemistry. The failed oral ongoing tests will be tackled during a single oral final test. The final examination grade will be the weighted average of all ongoing test grades, eventually the final oral test included.</p>
<b>TEACHING METHODS</b>	Lectures, laboratory tests, field trips, literature search