UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT			
ACADEMIC YEAR			
ANNO ACCADEMICO EROGAZIONE			
SUBJECT			
CODE			
SCIENTIFIC SECTOR(S)			
HEAD PROFESSOR(S)	BADALUCCO LUIGI	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)	BADALUCCO LUIGI MOSCHETTI GIANCARLO	Professore Ordinario Professore Ordinario	Univ. di PALERMO Univ. di PALERMO
CREDITS			
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR			
TERM (SEMESTER)			
ATTENDANCE			
EVALUATION			
TEACHER OFFICE HOURS	**BADALUCCO LUIGI** Monday 09:00 10:00 Sede CdL Viticoltura ed Enologia - Marsala (TP) Tuesday 09:00 10:00 Sede CdL Viticoltura ed Enologia - Marsala (TP) Wednesday 09:00 10:00 Dipartimento Scienze Agrarie, Alimentari e Forestali, Edificio 4, piano I, Viale delle Scienze, Palermo Thursday 09:00 10:00 Dipartimento Scienze Agrarie, Alimentari e Forestali, Edificio 4, piano I, Viale delle Scienze, Palermo Friday 10:00 11:00 Sede CdL Viticoltura ed Enologia - Marsala (TP) **MOSCHETTI GIANCARLO** Monday 9:30 11:30 Studio Prof. Moschetti, Dipartimento di Scienze Agrarie e Forestali Tuesday 11:00 13:00 Studio Pro. Moschetti, sede Marsala Wednesday 11:30 13:00 Studio Prof. Moschetti, Dipartimento di Scienze Agrarie e Forestali		

DOCENTE: Prof. LUIGI BADALUCCO

PREREQUISITES	Fundamentals of general and inorganic chemistry, and organic chemistry, basic knowledge
LEARNING OUTCOMES	Knowledge and understanding skill Acquisition of cognitive bases on soil chemistry and microbiolgical fertility, and particularly on physico-chemical, biochemical and microbiological processes driving the availability of plant essential nutrients to root uptake. Skill to apply knowledge and understanding Ability to understand if and when an issue relative to soil fertility (physico-chemical, biochemical and microbiological) is resolvable resorting to the knowledges acquired during the course. Skill to search information in foreign languages, their analysis and synthesis. Study capacity through English literature Judgement autonomy Formulation of one's own logical pathway of cause-effect on the origin of recognized issues about the soil fertility, in order to sustain one's own independent hypotheses to resolution Communication skills Presentation capacity, also to an incompetent audience and resorting to multi-media technology, of the techno-scientific explanations to the identified issues about soil fertility, as well as of the hypotheses for their resolution 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 fertility and sustainable agriculture
ASSESSMENT METHODS	The purpose of examination tests will be to verify the acquisition of cognitive bases on main soil physico-chemical, biochemical and microbiological properties, in order to understand peculiar subjects dealing with the physical, chemical and biological fertility of soils, and also properly using specific language and notions. In order to pass the whole examination, the student has to solve at least 2 questions each 3 CFU, i.e. 6 in total. The global assessment of the achieved learning will consist on a first oral ongoing test concerning 1/2 of subjects relative to both units ("Soil Fertility" (6 CFU).and "Soil Microbiology" (3 CFU)). 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.
TEACHING METHODS	Lectures, laboratory tests, literature search