



# UNIVERSITÀ DEGLI STUDI DI PALERMO

<b>DEPARTMENT</b>	Scienze Agrarie, Alimentari e Forestali
<b>ACADEMIC YEAR</b>	2017/2018
<b>MASTER'S DEGREE (MSC)</b>	FORESTRY AND AGRO-ENVIRONMENTAL SCIENCE AND TECHNOLOGY
<b>SUBJECT</b>	DEFENCE AGAINST PLANT DISEASES - LABORATORY
<b>TYPE OF EDUCATIONAL ACTIVITY</b>	F
<b>AMBIT</b>	21386-Altre conoscenze utili per l'inserimento nel mondo del lavoro
<b>CODE</b>	19146
<b>SCIENTIFIC SECTOR(S)</b>	
<b>HEAD PROFESSOR(S)</b>	DAVINO SALVATORE    Professore Ordinario    Univ. di PALERMO
<b>OTHER PROFESSOR(S)</b>	
<b>CREDITS</b>	3
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30
<b>PROPAEDEUTICAL SUBJECTS</b>	
<b>MUTUALIZATION</b>	
<b>YEAR</b>	1
<b>TERM (SEMESTER)</b>	2° semester
<b>ATTENDANCE</b>	Not mandatory
<b>EVALUATION</b>	Pass/Fail
<b>TEACHER OFFICE HOURS</b>	<b>DAVINO SALVATORE</b> Tuesday    16:00    19:00    Edificio 5 Stanza P1-50

**DOCENTE:** Prof. SALVATORE DAVINO

<b>PREREQUISITES</b>	Basic knowledge of plant pathology
<b>LEARNING OUTCOMES</b>	Acquisition of general knowledge for drafting a diagnostic protocol. Acquisition of specific knowledge on crops of economic interest. Ability to use technical language. Ability to organize and interpret the acquired diagnostic data. To be able to independently evaluate and interpret the implications and results of phytopathological studies. Ability to expose the results of phytopathology study to an unknowable public. Learning skills. Upgrade skills by consulting scientific publications and relevant texts in the agricultural sector. Ability to follow, using the knowledge acquired during the course, specific master's, keynotes and meetings. Ability to understand the contents of textbooks in order to transfer that knowledge to the professional worker involved in farm management.
<b>ASSESSMENT METHODS</b>	In order to evaluate the skills acquired by the students, a practical test will be made at the end of the course. The evaluation will be expressed in suitable/not suitable
<b>EDUCATIONAL OBJECTIVES</b>	Objective of the course is the elaboration of distinct strategies of plant protection against pathogens, starting with the study of diagnosis in field and in laboratory. In particular, activities will be carried out: 1) laboratory characterization and identification of plant pathogens 2) in field, observation of symptoms and differential diagnosis
<b>TEACHING METHODS</b>	In field and in laboratory activity
<b>SUGGESTED BIBLIOGRAPHY</b>	Materiale didattico fornito durante il corso.

### **SYLLABUS**

<b>Hrs</b>	<b>Workshops</b>
2	Pratic assessment of the acquired skills
20	diagnosis: Essays on indicating plants; Immunoenzymatic tests; Molecular essays; Characterization of pathogens
8	in field differential diagnosis