



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Agrarie, Alimentari e Forestali
ACADEMIC YEAR	2020/2021
MASTER'S DEGREE (MSC)	FORESTRY AND AGRO-ENVIRONMENTAL SCIENCE AND TECHNOLOGY
SUBJECT	DEFENCE AGAINST PLANT DISEASES - LABORATORY
TYPE OF EDUCATIONAL ACTIVITY	F
AMBIT	21386-Altre conoscenze utili per l'inserimento nel mondo del lavoro
CODE	19146
SCIENTIFIC SECTOR(S)	
HEAD PROFESSOR(S)	DAVINO SALVATORE Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	3
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	1° semester
ATTENDANCE	Not mandatory
EVALUATION	Pass/Fail
TEACHER OFFICE HOURS	DAVINO SALVATORE Tuesday 16:00 19:00 Edificio 5 Stanza P1-50

DOCENTE: Prof. SALVATORE DAVINO

PREREQUISITES	Basic knowledge of plant pathology
LEARNING OUTCOMES	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.
ASSESSMENT METHODS	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
EDUCATIONAL OBJECTIVES	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
TEACHING METHODS	In field and in laboratory activity
SUGGESTED BIBLIOGRAPHY	Materiale didattico fornito durante il corso.

SYLLABUS

Hrs	Workshops
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