

UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Agrarie, Alimentari e Forestali
ACADEMIC YEAR	2023/2024
MASTER'S DEGREE (MSC)	AGRICULTURAL PRODUCTIONS AND TECHNOLOGIES
SUBJECT	WINE GROWING
TYPE OF EDUCATIONAL ACTIVITY	В
AMBIT	50544-Discipline della produzione
CODE	01102
SCIENTIFIC SECTOR(S)	AGR/03
HEAD PROFESSOR(S)	DI LORENZO ROSARIO Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	6
INDIVIDUAL STUDY (Hrs)	90
COURSE ACTIVITY (Hrs)	60
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	2° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	DI LORENZO ROSARIO
	Monday 10:00 12:00 SAAF ed. 4, Ingr. H
	Tuesday 15:00 18:00 Sede CdL Viticoltura ed Enologia o piattaforma Teams
	Wednesday 10:00 12:00 SAAF ed. 4, Ingr. H
	Friday 10:00 12:00 SAAF ed. 4, Ingr. H

take responsibility for completion of tasks in work or study.

to take responsibility for completion of tasks in work or study.

EDUCATIONAL OBJECTIVES

-18-21 a) basic general knowledge, b) basic skills required to carry out simple tasks; c) basic capacity to communicate relevant informations; d) basic capacity

	The course has the purpose to provide the general theoretical and practical knowledge necessary for the creation and management of "vineyard" systems, in relation to different production targets. Specific objectives of the course are: the study of genetic, environmental, cultural and related interactions in the production results; the management of summer and winter pruning; the choice of trellis system and pruning systems, to evaluate and manage the source-sink relationships, the balance between vegetation and production, and the yield-quality ratio in the vineyard.
TEACHING METHODS	Lecture and vineyards tours and exercise in the field
SUGGESTED BIBLIOGRAPHY	Fregoni M., Viticoltura di qualita. Ed. Fregoni, 1998; Palliotti A., Poni S., Silvestroni O. Manuale di Viticoltura Edagricole, 2018; Autori Vari: La Vite e il vino BayerCropScience, 2007; Autori Vari: L'Uva da tavola BayerCropScience, 2010; Materiale didattico fornito dal Docente

SYLLABUS

Hrs	Frontal teaching
1	Objectives of the discipline and its division and articulation
6	Life cycle; annual cycle, vegetative and reproductive stages; biology of flowering and fruiting.
4	Soil preparation. The propagation material choice. Criteria for rootstock and variety selection. National and Regional profile of the varieties and rootstocks allowed for cultivation in Italy.
5	Vine ecology: site selection; relations climate-soil and biological factors (variety and rootstock) and agronomic (crop technique) of grape production; bio-climatic indices
7	Balance vegetation/production, source-sink relations (interaction and competition), the optimization of functionality and efficiency of the "vineyard" system. Description and operational issues of the of summer and winter pruning in viticulture
8	Viticultural technique: "vineyard" system in modern viticulture. Classification and description of the trellis and pruning systems selection criteria. Interrow and inrow spacing. Physiological basis of pruning in viticulture: training and production pruning
4	Bio-agronomical discussion of mechanical harvest and mechanical pruning
4	Soil management; weeding, mulching, grassing and cover crops selection
9	Water managemet techniques: quantity and times of irrigation. Fertigation: techniques, doses and timing
Hrs	Practice
12	Vineyards tours and exercise in the field