



COURSE: FRUIT GENERAL CROPS

ACADEMIC YEAR: 2019-2020

TYPE OF EDUCATIONAL ACTIVITY: Characterizing

TEACHER: BARTOLOMEO DICHIO

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website:

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mobile (optional): 0039 329 3606260

Language: Italian

ECTS: 6

n. of hours: 56

Campus: Potenza

Semester: II

lessons 4

lessons 32

Dept./School: SAFE

tutorials/practice 2

tutorials/practice 24

Program: Agricultural technology

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The course has the following objectives:

- *Knowledge and understanding: knowledge and ability to understand the scientific and technical bases of the tree plants. Deepening the morphological, physiological and agronomic aspects, highlighting plant / environment relationships. Knowledge about the characteristics of the main Italian cultivated species.*
- *Applying knowledge and understanding: ability to interpret phenomena and relationships related to a fruit orchard and its proper management in order to increase productivity, quality and reduce external inputs .*
- *Ability to choose and judge: ability to identify the main relationships between plant and environment, linking them to agronomic and physiological aspects, trying to identify solutions against any abiotic stress.*
- *Communication skills: ability to communicate acquired knowledge and skills, organize them logically, use a proper language and help with relevant graphics tools.*
- *Ability to learn: ability to collect and organize information received during lessons or on the recommended texts.*

PRE-REQUIREMENTS

Materials of Botany

SYLLABUS

The following main topics will be covered within the course:

- fruit tree species and eco-physiology of the plant;
- vegetative and reproductive cycle of the main fruit tree species, ripening and fruit quality;
- propagation techniques
- sustainable soil management techniques: nutrition, irrigation and pruning

TEACHING METHODS

Theoretical lessons 32 hours, Laboratory tutorials and Technical visits: 24 hours

EVALUATION METHODS

Oral examination and Practical test during the hours of exercitation.

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

Silviero Sansavini, Riccardo Gucci, Paolo Inglese, Angelo Ramina, Cristos Xiloyannis: **-Arboricoltura Generale** Pàtron Editore Bologna

Enrico Baldini: **Arboricoltura Generale** - Editrice CLUEB Bologna

Lecture notes

Journal: Frutticoltura – Ed agricole

Informatore Agrario www.informatoreagrario.it Italus Hortus, scientific paper of horticulture and pomology –
Members of SOI

INTERACTION WITH STUDENTS

At the beginning of the course, the teacher provides educational materials (shared folders) to the students. Simultaneously, he collects a list of students together with name and email.

Office hours: Monday from 9.30 to 13.30 and Thursday from 14.30 to 17.30 at the Prof. Dichio office at the Campus Macchia Romana in Potenza.

Prof. Dichio is also available by email for students' communication.

EXAMINATION SESSIONS (FORECAST)¹

20/02/2020; 26/03/2020; 16/04/2020; 21/05/2020; 25/06/2020; 23/07/2020; 31/08/2020; 24/09/2020;
22/10/2020; 26/11/2020; 17/12/2020;

SEMINARS BY EXTERNAL EXPERTS YES NO

FURTHER INFORMATION

Evaluation Committee

President Prof. Bartolomeo Dichio

Component Dr. Giuseppe Montanaro

Replacement Member Prof. Vitale Nuzzo

Replacement Member Dott.ssa Alba N. Mininni

¹ Dates could be subject to change: please, consult the professor's web page or the Department / School website for updates