

COURSE: **FLORICULTURE**

ACADEMIC YEAR: **2016-2017**

TYPE OF EDUCATIONAL ACTIVITY: Basic

TEACHER: Vincenzo Candido

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Language: Italian

ECTS: 6 (5 lessons; 1 seminars, farm and laboratory practice)	no. of hours: (lessons e tutorials/practice) 40 lessons 16 seminars, farm and laboratory practice	Campus: Potenza School: SAFE Program: MSc Food Science and Technology	Semester: II
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EDUCATIONAL GOALS

Classification, biology, propagation and cultivation of cut flowers, potted flowering plants, cut foliage and indoor plants. Fundamental aspects of training are: identification and classification of the main floricultural species, crop forcing techniques and planning of flowering time; growing media and floriculture cropping systems, soilless cultivations, greenhouse covering materials; post-harvest physiology, packaging and marketing standards of floriculture products.

EXPECTED LEARNING OUTCOMES

At the end of the course, the students will be able to have basic knowledges on the classification, biology, physiology, propagation and cultivation systems of the main ornamental species: cut flowers, potted flowering plants, cut foliage plants and indoor plants.

PRE-REQUIREMENTS

Basic knowledges concerning agronomy and plant production science are required.

SYLLABUS

Lessons

The activities are divided in 6 blocks.

Block 1 (8h, lectures):

The students will acquire theoretical and practical knowledges on Floriculture through active participation in lectures and through the consultation of specialized books and references provided by the teacher. The topics to be developed are the following: origins, diffusion of Floriculture and its commercial sectors; notions of climatology, protection techniques of ornamental crops, greenhouses for forcing the flower and ornamental crops.

Block 2 (8h, lectures):

The topics to be developed are the following: forcing and pre-forcing techniques of flower crops and ornamentals, growing media and main cultivation systems in Floriculture; pot cultivation systems; general information on soilless cultivations; propagation and planting methods in Floriculture; quality, storage and post-harvest physiology of cut flowers and foliage crops.

Block 3 (8h, lectures):

The following technical and scientific informations will be given: biology, physiology, cultivation techniques, flower scheduling, harvest and quality traits of some cut flower species (bulbous species, rose, carnation, chrysanthemum and gerbera).

Block 4 (8h, lectures):

In continuation of the previous block, the following subjects will be addressed: biology, physiology, cultivation techniques, flower scheduling and quality traits of some flowering potted plants: Poinsettia, Azalea etc..

Block 5 (8h, lectures):

Classification and cultivation of cut foliage plants used as ornamentals; general information on indoor ornamental plants.

Block 6 (16h, Practices):

Laboratory and farm practices will be conducted in order to give to the students knowledges on identification and

classification of the main flower and ornamental plants and the related cultivation techniques.

TEACHING METHODS

Theoretical lessons (40 hours), laboratory and farm practices (16 hours).

EVALUATION METHODS

Oral exam, consisting of questions based on theoretical knowledges and laboratory practices. To pass the exam the students have to achieve at least 18 points on 30.

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

ACCATI GARIBALDI E., 1993. Trattato di Floricoltura. Edagricole, Bologna.

BENSA S., 1986. Floricoltura Industriale. Edagricole, Bologna.

GHISLENI P.L., QUAGLIOTTI L., 1983. Floricoltura. Edizioni. UTET, Torino.

TESI R., 2008. Colture protette. Ortoflorovivaismo in ambiente mediterraneo. Edizioni Agricole de Il Sole 24 ORE Business Media s.r.l., Milano. 349 pp.

Notes from lessons.

INTERACTION WITH STUDENTS

In the first lesson, after describing the aims, contents and exam procedures, it will be collected the list of students attending the course enclosed their registration number and e-mail. During the lessons, teaching materials will be provided. Students may contact the teacher anytime by mobile phone or e-mail for any clarifications or to set an appointment in his office at SAFE, I floor. The teacher will meet the students on Tuesday, Wednesday and Thursday, from 10.00 to 13.30.

EXAMINATION SESSIONS (FORECAST)¹

Monthly a date will be agreed with the students.

Examination committee: prof. Vincenzo Candido (President); Components: prof Piergiorgio Gherbin, prof. Stella Lovelli, prof. Michele Perniola, prof. Mariana Amato, prof. Anna Rita Rivelli, dott. Donato Castronuovo.

SEMINARS BY EXTERNAL EXPERTS YES NO

FURTHER INFORMATION

¹ Subject to possible changes: check the web site of the Teacher or the Department/School for updates.