COURSE OUTLINE

1. GENERAL

SCHOOL	AGRICULTURAL SCIENCES		
DEPARTMENT	AGRICULTURE		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	AGR_703	**SEMESTER OF STUDIES**	SEVENTH
COURSE TITLE	Productive Floriculture		

INDEPENDENT TEACHING ACTIVITIES *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
Lectures	3	
Laboratory exercises	2	
Total	5	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	General Background, specialised general knowledge, Skills Development
PREREQUISITE COURSES:	Typically, there are not prerequisite courses.
TEACHING AND ASSESSMENT LANGUAGE:	Greek. Teaching may be however performed in English in case foreign students attend the course.
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Yes
COURSE WEBPAGE (URL)	

2. LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

The aim of the course is to provide students with the basic knowledge and techniques for cultivating ornamental plants intended as cut flowers for vases or arrangements, as well as potted plants for cultivation in containers or for transplantation.

General Skills

Considering the general skills that a graduate must have acquired (as listed in the Diploma Supplement and detailed below), which of these does the course aim at?

- Searching, analyzing, and synthesizing data and information using the necessary technologies
- Adaptation to new situations

- Decision making
- Independent work
- Teamwork
- Working in an international environment
- Working in an interdisciplinary environment
- Generating new research ideas
- Project design and management
- Respect for diversity and multiculturalism
- Respect for the natural environment
- Demonstrating social, professional, and ethical responsibility and sensitivity to gender issues
- Exercising critical and self-critical thinking
- Promoting free, creative, and inductive thinking

Upon completion of the course, students will:

- Know the most widespread ornamental plants for cut flowers and/or potted plants intended for cultivation in containers, beds, or transplantation to the ground.
- Be aware of new trends and options.
- Know the necessary propagation material for each case.
- Know the techniques and cultivation systems, harvesting methods of flowers, and maintenance methods until they are marketed.

General Abilities

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas
Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking

Generally, by the end of this course the student will, furthermore, have develop the following general abilities (from the list above):

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Respect for the natural environment
Production of free, creative and inductive thinking

3. SYLLABUS

1. - Cultivation of Roses for cut flowers and potted plants
2. - Cultivation of Carnations for cut flowers and potted plants
3. - Cultivation of Gerberas for cut flowers and potted plants
4. - Cultivation of Lilies, Dahlias, and Geophytes generally for cut flowers and potted plants
5. - Cultivation of Chrysanthemums for cut flowers and potted plants
6. - Cultivation of Alstroemeria for cut flowers and potted plants
7. - Cultivation of Lisianthus for cut flowers and potted plants

8. - Cultivation of Orchids for cut flowers and potted plants
9. - Packaging and Preservation of cut flowers
10. - Cultivation of potted plants: Gardenia, Azalea, Hydrangea, Camellia
11. - Cultivation of garden plants
12. - Cultivation of park plants
13. - Cultivation of indoor plants

Laboratory Exercises

1. - Cultivation of Carnations in the greenhouse on a network
2. - Cultivation of Gardenia, Azalea, Hydrangea, Camellia in pots
3. - Cultivation of other cut flowers in pots
4. - Cultivation of garden and park plants in pots
5. - Cultivation of indoor plants in pots and controlled conditions
6. - Pruning and grafting of roses

4. TEACHING AND LEARNING METHODS - EVALUATION

TEACHING METHOD *Face-to-face, Distance learning, etc.*	Face-to-face Distance learning, etc. Lectures in the classroom (face-to-face).
USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES *Use of ICT in teaching, laboratory education, communication with students*	Use of Information and Communication Technologies: Use of ICT in Teaching, Laboratory Education, Communication with Students Use of ICT (PowerPoint) in teaching Use of ICT in communication with students (supporting the learning process through the e-class platform) and directly.
TEACHING METHODS *The manner and methods of teaching are described in detail.* *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.* *The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS*	

Activity	***Semester workload***
Lectures and seminars (3 conduct hours per week x 13 weeks)	39
Laboratory practice (2 conduct hours per week x 6 weeks)	12
Hours for private study of the student and preparation for mid-term or/and final examination / Final examination	74
Total number of hours for the Course (25 hours of work-load per ECTS credit)	***125 hours (total student work-load) – 5 ECTS***

STUDENT PERFORMANCE EVALUATION *Description of the evaluation procedure* *Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other* *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.*	1. There will be a written examination with essay questions and/or multiple-choice questions. Minimum passing grade: 5. This grade contributes 60% to the final course grade. 2. Laboratory evaluation includes laboratory questions weighing 70% for the laboratory grade and rewarding the student's participation in laboratory exercises weighing 30% in the laboratory grade. The laboratory grade contributes 40% to the final course grade. All the above are taking place in Greek as well as in English for foreign students (e.g. ERASMUS students) if any.

5. RECOMMENDED LITERATURE

- Boodley James. 1999. Greenhouse Facilities - Business Floriculture. ION Publications.
- Notes by Dr. Georgios Kotsiris

Related scientific journals:
Floriculture International magazine FCI