

COURSE MODULE OUTLINE

General information

SCHOOL	School of Science and Technology		
PROGRAM COURSE	Interdisciplinary PSP Cultivations under cover-Hydroponics		
LEVEL OF STUDY	Postgraduate		
COURSE UNIT CODE	KYK 56		3rd
COURSE TITLE	Production of cut flowers, pot plants and nursery stock under cover		
INDEPENDENT TEACHING ACTIVITIES <i>in case credits are awarded for separate components/parts of the course, e.g. in lectures, laboratory exercises, etc. If credits are awarded for the entire course, give the weekly teaching hours and the total credits</i>	WEEKLY TEACHING HOURS	CREDITS	
Weekly workload hours: 21-22 hours x 13 weeks	280	10 ECTS	
<i>Add rows if necessary. The organization of teaching and the teaching methods used are described in detail under section 4</i>			
COURSE TYPE Compulsory, Optional, Optional mandatory	Compulsory		
PREREQUISITE COURSES:	None		
LANGUAGE OF INSTRUCTION AND EXAMS:	Geek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://www.eap.gr/en/crops-under-cover-hydroponics/topics/#k56 Each module has its own space in the Learning Management System of EAP (https://courses.eap.gr/login/index.php), with controlled access (use of code) for students and teaching staff.		

(2) LEARNING OUTCOMES

Learning Outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate (certain) level, which students will acquire upon successful completion of the course, are described in detail. It is necessary to consult:

APPENDIX A

- Description of the level of learning outcomes for each level of study, in accordance with the

European Higher Education Qualifications' Framework.

- *Descriptive indicators for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and*

APPENDIX B

Guidelines for writing Learning Outcomes

Upon successful completion of this unit, students will be able to know:

- *What are the individual branches of floriculture and what are the most important ornamental plants per branch,*
- *What is the current situation in the Greek floriculture sector (in terms of area, productivity, imports & exports, economics of cultivation).*
- *what are the modern technologies for the establishment and production of cut flowers, pot plants and propagating material for horticulture – landscape architecture.*
- *Also, the student will be able to:*
- *carry out a technical study for a greenhouse plant for the production of cut flowers, pot plants or propagating material for floriculture,*
- *grow a flowering plant as a producer,*
- *advising producers on the cultivation of flowering plants under cover,*
- *work on research projects related to floriculture.*

General Competences

Taking into consideration the general competences that students/graduates must acquire (as those are described in the Diploma Supplement and are mentioned below), at which of the following does the course attendance aim?

Search for, analysis and synthesis of data and information by the use of appropriate technologies,

Adapting to new situations

Decision-making

Individual/Independent work

Group/Team work

Working in an international environment

Working in an interdisciplinary environment

Introduction of innovative research

Project planning and management

Respect for diversity and multiculturalism

Environmental awareness

Social, professional and ethical responsibility and sensitivity to gender issues

Critical thinking

Development of free, creative and inductive thinking

(Other.....citizenship, spiritual freedom, social awareness, altruism etc.)

- *Search for, analysis and synthesis of data and information by the use of appropriate technologies,*
- *Adapting to new situations*
- *Decision-making*
- *Individual/Independent work*
- *Group/Team work*
- *Project planning and management*
- *Environmental awareness*
- *Development of free, creative and inductive thinking*

(3) COURSE CONTENT

The aim of the unit KYK56 is to familiarize the postgraduate students with modern techniques of cultivation of flowering plants in greenhouses and net gardens that aim at the production of fresh flowers, pot plants and propagating material for floriculture and are compatible with a sustainable agriculture that protects the environment.

Unit Subjects:

- Importance and prospects of modern business floriculture
- Botanical and cultural classification of ornamental plants
- Classes of floricultural production under cover (cut flowers, pot plants, flowering plant propagating material)
- Influence of environmental factors on floricultural production under cover (root environment, sunlight and light, temperature, air humidity)
- Propagation of ornamental plants. Classical methods (inbred reproduction by seed, asexual reproduction by division, cuttings, cuttings, cuttings, underground germination). Tissue culture. Ornamental plant inoculations. Flower nurseries.
- Modern techniques for the production of dormant flowers under cover.
- Modern techniques for the production of pot plants under cover.
- Application of chemical growth regulators to floricultural crops under cover
- Post-harvest handling (standardisation, preservation and marketing of floricultural products)

(4) TEACHING METHODS--ASSESSMENT

<p>MODES OF DELIVERY <i>Face-to-face, in-class lecturing, distance teaching and distance learning etc.</i></p>	<p>Distance learning using the HOU's E-Learning Platform and conducting Group Consultative Meetings (tele-GCM) during weekends. The duration of every tele-GCM is 4 hours.</p>	
<p>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY <i>Use of ICT in teaching, Laboratory Education, Communication with students</i></p>	<p>A platform (cisco webex) is used for the tele-GCMs. Communication with students is done via e-mail and forum posts. Submission of assignments, participation in quizzes and exams are carried out through the HOU's platform. Online access to the HOU's library collections and online databases. In addition, students use office automation software tools, web browsers as well as e-reader for digital books.</p>	
<p>COURSE DESIGN <i>Description of teaching techniques, practices and methods: Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, Internship, Art Workshop, Interactive teaching, Educational visits, projects, Essay writing, Artistic creativity, etc.</i></p>	<p>Activity/Method</p>	<p>Semester workload</p>
	<p>3 meetings (4hrs)</p>	<p>12 hrs</p>
	<p>2 educational activities</p>	<p>30 hrs</p>
	<p>1 written assignment (semester essay)</p>	<p>60 hrs</p>
	<p>Final examinations</p>	<p>3 hrs</p>
	<p>Total course work load</p>	<p>168-181 hrs</p>

<p><i>The study hours for each learning activity as well as the hours of selfdirected study are given following the principles of the ECTS.</i></p>	
<p>STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS</p> <p><i>Detailed description of the evaluation procedures:</i></p> <p><i>Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice tests, short- answer questions, open-ended questions, problem solving, written work, essay/report, oral exam, presentation, laboratory work, other.....etc.</i></p> <p><i>Specifically defined evaluation criteria are stated, as well as if and where they are accessible by the students.</i></p>	<p>Undertake two educational activities (EA), each contributing 10% to the final grade of the TU and one written assignment (WA) contributing 20% to the final grade of the TU. The grade acquired from each of the educational activities and the written assignment needs to be equal to or above the pass grade (≥ 5) to enter the final or repeated-exams. The final or repeated written exams contributes 60% to the final grade of the TU.</p> <p>There are all the criteria posted, both in each written assignment (in the study) and in the general regulation: https://www.eap.gr/wp-content/uploads/2022/03/kanonismos-spoudwn-isxys-apo-to-didaktiko-etos-2022-2023.pdf</p>

(5) SUGGESTED BIBLIOGRAPHY:

<p><i>-Suggested bibliography</i></p> <p>Savvas D. (2020). Γενική Ανθοκομία. Εκδόσεις Πεδίο Α.Ε., Αθήνα.</p> <p><i>-Related scientific Journals</i></p> <p>Horticulturae, Acta Horticulturae</p>
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