AGRICULTURAL - ENVIRONMENTAL STUDIES AND PROJECT DESIGN

1. GENERAL

SCHOOL	AGRICULTURAL SCIENCES		
ACADEMIC UNIT	CROP SCIENCE		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	CRS_1003	**SEMESTER OF STUDIES**	10th
COURSE TITLE	Agricultural - Environmental Studies and Project Design		

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*	**WEEKLY TEACHING HOURS**	**CREDITS**
Lectures	3	
Tutorials	1	
Total	4	5
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (4).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	Specialised general knowledge
PREREQUISITE COURSES:	Typically, there are no prerequisite courses.
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek.
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
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 necessary knowledge and skills to be able to utilize and manage natural resources with an ecological perspective. The national and community legislation is analyzed and the necessary issues for compose reports relevant to development of agricultural sector.

General Competences

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
……
Others…
…….

Decision making

Autonomous (Independent) work *Respect for the Environment* *Promotion of free, creative and inductive thinking*

3. SYLLABUS

1. Introduction to agricultural specifications
2. Stages of agricultural and environmental studies
3. Project design for Agricultural and environmental Studies
4. Methodology of technical and economic execution of projects
5. Environmental impact assessment
6. Impact assessment of abiotic factors to environment
7. Impact assessment to water resources
8. Assessment of impacts to ecosystems
9. Special Ecological Assessment
10. Basic Legislation
11. Contents of Environmental Impact Study
12. Strategic Environmental Impact Study
13. Environmental Impact Assessment: Methodology and Treatment

4. TEACHING AND LEARNING METHODS - EVALUATION

<table>
<tr><td>DELIVERY
Face-to-face, Distance learning, etc.</td><td>Lectures, self-tests of students and problem-solving seminars.</td></tr>
<tr><td>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES
Use of ICT in teaching, laboratory education, communication with students</td><td>Use of Information and Communication Technologies (ICTs) (e.g. powerpoint) in teaching. The contents of the course of each chapter are uploaded on the internet, in the form of a series of pdf files that the students can freely download using a password which is provided to them at the beginning of the course.</td></tr>
<tr><td>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</td><td>
<table>
<tr><th>Activity</th><th>Semester workload</th></tr>
<tr><td>Lectures (3 contact hours per week x 13 weeks)</td><td>39</td></tr>
<tr><td>Tutorial (1 contact hours per week x 13 weeks)</td><td>13</td></tr>
<tr><td>Assignments</td><td>10</td></tr>
<tr><td>Hours for private study of the student, preparation and attendance mid-term or/and final examinations.</td><td>63</td></tr>
<tr><td>Total number of hours for the Course (25 hours of work-load per ECTS credit)</td><td>125 hours (total student work-load)</td></tr>
</table>
</td></tr>
<tr><td>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.</td><td>Student performance evaluation will be explained to the students at the beginning of the course/beginning of the semester.

Mandatory final written examination for lectures / theoretical part of the course, comprises 60% of the final mark of the student.

Mandatory final written examination for the transferred laboratory skills of the course, comprises 40% of the final mark of the student. Minimum pass mark: 5 (full scale: 0-10)

The above mentioned process will be taking place in Greek and for foreign students (eg ERASMUS students) in English.</td></tr>
</table>

5. ATTACHED BIBLIOGRAPHY

Suggested bibliography:

1. Βαγιωνά, Δ. (2018). Μελέτες Περιβαλλοντικών Επιπτώσεων. Εκδόσεις Δίσιγμα,
2. Τολέρης, Ε. και Κουλίδης, Α. (2014). Προδιαγραφές Περιβαλλοντικών Μελετών, Διεύθυνση Περιβαλλοντικής Αδειοδότησης, Υπουργείο Περιβάλλοντος και Κλιματικής Αλλαγής.
3. Guidelines on the information to be contained in Environmental Impact Statements, CAAS Environmental Services Ltd., 6 Merrion Square, Dublin. Ανακτήθηκε στις 01-01- 2017, http://www.epa.ie/pubs/advice/ea/guidelines.
4. Αναστασίου, Θ. (2005). Οικονομοτεχνικές Μελέτες (Μεθοδολογία - Αξιολόγηση -Εφαρμογές). Εκδόσεις Σταμούλης, ISBN: 9602868759.