

COURSE OUTLINE

1. GENERAL

SCHOOL	SCHOOL OF ENVIRONMENT AND AGRICULTURAL ENGINEERING		
ACADEMIC UNIT	DEPARTMENT OF NATURAL RESOURCES DEVELOPMENT AND AGRICULTURAL ENGINEERING		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	116	SEMESTER	9 th
COURSE TITLE	Agrotechnical – Agroeconomical projects		
INDEPENDENT TEACHING ACTIVITIES <i>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</i>	WEEKLY TEACHING HOURS	CREDITS	
Theory: Lectures	3		
Laboratory:	2		
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Scientific Area, Skills development		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes (in English)		
COURSE WEBSITE (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 purpose of the course is to learn the specifications and the methodology for the elaboration of Agrotechnical - Agroeconomical projects.

Upon successful completion of the course the student will be able to:

Understand the basic requirements that a consultant of Agrotechnical - Agroeconomical projects must meet.

Be informed about the process of obtaining a degree as a consultant of Agrotechnical - Agroeconomical projects.

Be informed about the current Legislation that governs the assignment and elaboration of Agrotechnical - Agroeconomical projects.

Acquire fluency in gathering the data and information required for the elaboration of an Agrotechnical - Agroeconomical project.

Practice the way in which he/she will make use of these elements by elaborating a case study.

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?

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

1. Search, Analysis and Synthesis of Data and Information, using the Necessary Technologies
2. Decision-making
3. Autonomous Work
4. Project planning and management
5. Respect for the natural environment.

3. SYLLABUS

Procedure for commissioning studies of land reclamation projects.
Categories of studies according to their subject and according to their fee budget.
Invitation for expressions of interest, study assignment, terms of reference, elaboration fee invoice.
Legislation that governs the commissioning and preparation of agro-technical - agro-economical studies.
Stages and process of preparing studies for land reclamation projects.
Technical specifications for the preparation of an Agrotechnical - Agro-economical Study at the Pre-Study stage. Methodology for preparing an agrotechnical - agro-economical study.
Application study in Pre-Study stage. Analysis of existing situation.
Proposed development plan.
Investigating financial results.
Evaluation of development plan.
Benefits of the development plan.
Evaluation of development plan efficiency.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	In classroom and during educational trips	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Exploitation of Information and Communication Technologies in teaching, in laboratory training and in communication with students. Use of dedicated software. Communication with students via open eclass platform and e-mail.	
TEACHING METHODS <i>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</i>	Activity	Semester workload
	Lectures	65 hours
	Laboratory work and case studies	30 hours
	Exercises and presentations	30 hours
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>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.</i>	<p>I. Oral final exam (50%) including: Case study questions prepared by each student.</p> <p>II. Study presentation (50%). Marking Scale: 0-10. Minimum Passing Mark: 5.</p>	

5. ATTACHED BIBLIOGRAPHY

Proposed literature -Scientific journals

Guide to the Economic Evaluation of irrigation projects -Hellmuth Bergmann and Jean-Marc Boussard

- Scientific journals:

Sustainable development

Irrigation and Drainage (ICID)