

☀ THE HISTORY OF AGRICULTURE AND BIOETHICS

1. GENERAL

SCHOOL	AGRICULTURAL SCIENCES		
ACADEMIC UNIT	AGRICULTURE		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	AGR_905	SEMESTER	9 th
COURSE TITLE	The History of Agriculture and Bioethics		
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
lectures		2	
seminars		2	
TOTAL		4	5
<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>	GENERAL BACKGROUND		
PREREQUISITE COURSES:	Typically, there are not prerequisite course.		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek.		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)			

2. LEARNING OUTCOMES

<p>Learning outcomes <i>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.</i> 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</p> <ul style="list-style-type: none"> • Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B • Guidelines for writing Learning Outcomes
<p>By the end of this course, the student will:</p> <ul style="list-style-type: none"> • know about the history and development of agriculture from Neolithic to modern times • understand the importance of bioethics for the correct usage of science and environment • develop questionings about professional ethics
<p>General Competences <i>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></p>

<i>Search for, analysis and synthesis of data and information, with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Project planning and management</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> <i>Others...</i>
<p>By the end of this course the student will, furthermore, have developed the following skills (general abilities):</p> <ol style="list-style-type: none"> 1. Ability to understand the historical development of agriculture and its connection with the different human societies. 2. Ability to understand the importance of scientific achievements. 3. Ability to respect the natural environment. 4. Ability to understand the agronomist's professional ethics. <p>Generally, by the end of this course the student will, furthermore, have developed the following general abilities (from the list above):</p> <p><i>Working independently</i> <i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Criticism and self-criticism</i> <i>Promotion of free, creative and inductive thinking</i></p>	

3. SYLLABUS

<ol style="list-style-type: none"> 1. Introduction to the history and development of agriculture. 2. Agriculture in the Neolithic Age. 3. Agricultural cultivation systems in antiquity. 4. Agriculture in the Middle Ages. 5. Agriculture in recent years. 6. The use of modern cultivation methods in agriculture. 7. Agricultural crisis and general crisis. 8. Science - Technology - Environment: a historical review. 9. Bioethical questionings in the modern world. 10. Environmental ethics. 11. Bioethics and Genetics. 12. Ethics and new technology. 13. Bioethics and Education.
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4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face lectures and seminars.	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	<ul style="list-style-type: none"> • Use of Information and Communication Technologies (ICTs) (e.g. powerpoint) in teaching. • Use of ICTs in student communication (learning support through the e-class platform). 	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>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.</i> <i>The student's study hours for each learning activity are</i>	Activity	Semester workload
	Lectures (2 conduct hours per week x 13 weeks)	26
	Seminars (2 conduct hours per week x 13 weeks)	26
	Hours for private study of the student and preparation for mid-term or/and	73

<i>given as well as the hours of non-directed study according to the principles of the ECTS</i>	final examination – Participation in the examinations	
<p>STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>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</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i></p>	Course total	125 hours
	<ol style="list-style-type: none"> 1. Optionally, two mid-term examinations, the first in the middle and the second at the end of the semester. The evaluation procedure is conducted with short answer questions and/or open-ended questions and/or multiple choice questionnaires and/or oral examination. The final examination grade is the mean mark. It is mandatory to obtain pass grade (≥ 5) in each examination. 2. Written examination after the end of the semester. The evaluation procedure is conducted with short answer questions and/or open-ended questions and/or multiple choice questionnaires and/or oral examination (unless the student has successfully participated the mid-term examinations). Minimum passing grade: 5. 3. All the above are taking place in Greek. 	

5. ATTACHED BIBLIOGRAPHY

<ol style="list-style-type: none"> 1. Mazoyer and Roudart, A history of world agriculture, EXANDAS Editions, 2005. 2. Alahiotis, Bioethics, Livanis Editions, 2011. 3. Tsekos, Environmental ethics and bioethics, Parisianou Editions, 2015.
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