

## COURSE OUTLINE

### 1. GENERAL

<b>SCHOOL</b>	AGRICULTURAL AND FORESTRY SCIENCES		
<b>DEPARTMENT</b>	AGRICULTURAL DEVELOPMENT		
<b>LEVEL OF STUDIES</b>	7		
<b>COURSE CODE</b>	B0001	<b>SEMESTER</b>	1st
<b>COURSE TITLE</b>	INTRODUCTION TO AGRONOMY		
<b>TEACHING ACTIVITIES</b>		<b>TEACHING HOURS PER WEEK</b>	<b>ECTS CREDITS</b>
<i>If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.</i>			
	Lectures	3	3
<i>Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.</i>			
<b>COURSE TYPE</b> <i>Background, General Knowledge, Scientific Area, Skill Development</i>	General Knowledge		
<b>PREREQUISITES:</b>			
<b>TEACHING &amp; EXAMINATION LANGUAGE:</b>	Greek		
<b>COURSE OFFERED TO ERASMUS STUDENTS:</b>	No		
<b>COURSE URL:</b>	<a href="https://eclass.duth.gr/courses/OPE01237/">https://eclass.duth.gr/courses/OPE01237/</a> <a href="https://eclass.duth.gr/courses/OPE01159/">https://eclass.duth.gr/courses/OPE01159/</a>		

### 2. LEARNING OUTCOMES

<b>Learning Outcomes</b> <i>Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.</i>																
<p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none"> <li>understand the subjects of the Science of Agronomy</li> <li>understand the role of an agronomist in today's agriculture</li> </ul>																
<p><b>General Skills</b> <i>Name the desirable general skills upon successful completion of the module</i></p> <table border="0"> <tr> <td><i>Search, analysis and synthesis of data and information, ICT Use</i></td> <td><i>Project design and management</i></td> </tr> <tr> <td><i>Adaptation to new situations</i></td> <td><i>Equity and Inclusion</i></td> </tr> <tr> <td><i>Decision making</i></td> <td><i>Respect for the natural environment</i></td> </tr> <tr> <td><i>Autonomous work</i></td> <td><i>Sustainability</i></td> </tr> <tr> <td><i>Teamwork</i></td> <td><i>Demonstration of social, professional and moral responsibility and sensitivity to gender issues</i></td> </tr> <tr> <td><i>Working in an international environment</i></td> <td><i>Critical thinking</i></td> </tr> <tr> <td><i>Working in an interdisciplinary environment</i></td> <td><i>Promoting free, creative and inductive reasoning</i></td> </tr> <tr> <td><i>Production of new research ideas</i></td> <td></td> </tr> </table> <ul style="list-style-type: none"> <li>Independent Work</li> <li>Search, analysis and synthesis of data and information, using the necessary technologies</li> <li>Promoting free, creative and inductive reasoning</li> </ul>	<i>Search, analysis and synthesis of data and information, ICT Use</i>	<i>Project design and management</i>	<i>Adaptation to new situations</i>	<i>Equity and Inclusion</i>	<i>Decision making</i>	<i>Respect for the natural environment</i>	<i>Autonomous work</i>	<i>Sustainability</i>	<i>Teamwork</i>	<i>Demonstration of social, professional and moral responsibility and sensitivity to gender issues</i>	<i>Working in an international environment</i>	<i>Critical thinking</i>	<i>Working in an interdisciplinary environment</i>	<i>Promoting free, creative and inductive reasoning</i>	<i>Production of new research ideas</i>	
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### 3. COURSE CONTENT

1. Introduction – Course Content – Course Structure
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2. Agriculture and agricultural production
3. Historical development of Agriculture at international level
4. Development and prospects of Agriculture in Greece
5. Vegetable and animal production
6. Impact of agriculture and agricultural production on the ecosystem
7. Fields of agronomic science and the role of the agronomist
8. Professional prospects of the Department graduates
9. Economic and social dimensions of agriculture
10. The concept of rural development
11. Modern developments in international trade in agricultural products
12. Modern developments in Agricultural Policy
13. Economic crisis and Greek agriculture

#### 14. LEARNING & TEACHING METHODS - EVALUATION

<b>TEACHING METHOD</b> <i>Face to face, Distance learning, etc.</i>	In the classroom	
<b>USE OF INFORMATION &amp; COMMUNICATIONS TECHNOLOGY (ICT)</b> <i>Use of ICT in Teaching, in Laboratory Education, in Communication with students</i>	<ul style="list-style-type: none"> <li>• Use of information technologies (power point, video)</li> <li>• Support of the learning process through the e-class online platform</li> </ul>	
<b>TEACHING ORGANIZATION</b> <i>The ways and methods of teaching are described in detail.</i> <i>Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research &amp; analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.</i>  <i>The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.</i>	<b>Activity</b>	<b>Workload/semester</b>
	Lectures	39
	Independent Study	36
	<b>Total Course (25 hours of workload per credit unit)</b>	<b>125</b>
<b>STUDENT EVALUATION</b> <i>Description of the evaluation process</i>  <i>Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report, Clinical examination of a patient, Artistic interpretation, Other/Others</i>  <i>Please indicate all relevant information about the course assessment and how students are informed</i>	The evaluation of students is carried out as follows: <ul style="list-style-type: none"> <li>• Language of assessment: Greek</li> <li>• Written assessment in the theoretical part at the end of the semester</li> </ul>	

#### 15. SUGGESTED BIBLIOGRAPHY

Selected Textbooks in the Eudoxus system

- Ζαρμπούτης Β. Γιάννης, Γκακνή Ι. Ασπασία. 2009. Γεωργικές Καλλιέργειες, 2η έκδοση. Εκδόσεις «ΙΩΝ», σελ. 263.
- Η ελληνική αγροτική οικονομία στο παγκόσμιο πλαίσιο, Δαμιανός Δημήτριος Ι., Παπαγεωργίου Κωνσταντίνος Λ., Σπαθής Παύλος Δ.

Additional bibliographic resources will be available to students during the course



## ANNEX OF THE COURSE OUTLINE

### Alternative ways of examining a course in emergency situations

<b>Teacher (full name):</b>	Spyridon Koutroubas Konstantinos Galanopoulos
<b>Contact details:</b>	<a href="mailto:skoutrou@agro.duth.gr">skoutrou@agro.duth.gr</a> <a href="mailto:kgalanop@agro.duth.gr">kgalanop@agro.duth.gr</a>
<b>Supervisors: (1)</b>	YES
<b>Evaluation methods: (2)</b>	<ul style="list-style-type: none"> <li>➤ <i>written assignment</i> or/and exercises</li> <li>➤ written or oral examination with distance learning methods, provided that the integrity and reliability of the examination are ensured.</li> </ul>
<b>Implementation Instructions: (3)</b>	<p>The exam will be conducted via e-class and MS Teams:</p> <p>A. Microsoft Teams Students should log in to the TEAMS room of the course through their institutional account. The meeting link will be located in the "General" tab of the course. Their identification will be done using their institutional account.</p> <p>B. e-class At the same time, they should log in to the e-class using their institutional account and go to the course page (a prerequisite must have registered for the course) (<a href="https://eclass.duth.gr/courses/OPE01237/">https://eclass.duth.gr/courses/OPE01237/</a>) and in the section "EXERCISES" where they will be given the form of the examinations which they will fill in electronically. ATTENTION: Students should be logged in to the page of the course "INTRODUCTION TO AGRICULTURE" by Mr. S. Koutroubas. Each student should answer 10 questions RIGHT/WRONG. Each of the questions is scored 1. The duration of the exams will be 10 minutes.</p> <p>C. Beneficiaries of participation in examinations</p> <ul style="list-style-type: none"> <li>• A list of the AEM of the beneficiaries to participate in the examination is attached. This list will be updated by the day on which the examination period starts.</li> </ul> <p>In order for the student to participate in the exams, he/she must read and accept the terms of his/her participation in the examination process. This can be done through the page <a href="https://students.duth.gr">https://students.duth.gr</a> and from the menu "Service", by going to the option "Participation in the next exam period".</p> <ul style="list-style-type: none"> <li>• In addition, he/she should have registered for the course on the e-class page (by Prof. S. Koutroubas).</li> </ul>

(1) Please write YES or NO

(2) Note down the evaluation methods used by the teacher, e.g.

- *written assignment* or/and exercises
- written or oral examination with distance learning methods, provided that the integrity and reliability of the examination are ensured.

(3) In the **Implementation Instructions** section, the teacher notes down clear instructions to the students:

a) in case of **written assignment and / or exercises**: the deadline (e.g. the last week of the semester), the means of submission, the grading system, the grade percentage of the assignment in the final grade and **any other necessary information**.

b) in case of **oral examination with distance learning methods**: the instructions for conducting the examination (e.g. in groups of X people), the way of administration of the questions to be answered, the distance learning platforms to be used, the technical means for the implementation of the examination (microphone, camera, word processor, internet connection, communication platform), the hyperlinks for the examination, the duration of the exam, the grading system, the percentage of the oral exam in the final grade, the ways in which the inviolability and reliability of the exam are ensured and any other necessary information.

c) in case of **written examination with distance learning methods**: the way of administration of the questions to be answered, the way of submitting the answers, the duration of the exam, the grading system, the percentage of the written exam of the exam in the final grade, the ways in which the integrity and reliability of the exam are ensured and any other necessary information.

There should be an attached list with the Student Registration Numbers only of students eligible to participate in the examination.