

COURSE OUTLINE

1. GENERAL

SCHOOL	APPLIED ECONOMIC AND SOCIAL SCIENCES		
ACADEMIC UNIT	AGRIBUSINESS AND SUPPLY CHAIN MANAGEMENT		
LEVEL OF STUDIES	<i>Undergraduate</i>		
COURSE CODE	FIN707	SEMESTER	7th
COURSE TITLE	DERIVATIVES WITH APPLICATIONS IN THE SUPPLY CHAIN OF AGRICULTURAL AND FOOD PRODUCTS		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
Lectures		5	5
COURSE TYPE	In-Depth Analysis		
PREREQUISITE COURSES	YES/NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS	Greek		
IS THE COURSE OFFERED for ERASMUS STUDENTS?	YES (in English)		
COURSE WEBSITE (URL)	https://oeclass.aua.gr/eclass/		

2. LEARNING OUTCOMES

Learning Outcomes
<p>The aim of the course is:</p> <p>The course is the main introductory course in the concepts of derivatives with applications in the supply chain of agricultural and food products. In addition, it highlights the strategic role and modern trends in the derivatives market with applications in the supply chain of agricultural and food products.</p> <p>Upon successful completion of the course, the student will be able to:</p> <ul style="list-style-type: none"> • defines the key concepts of forward and futures contracts • understands the market mechanism and risk hedging with futures contracts • understands the valuation of futures contracts • understands Options and their properties • analyzes Options and their valuation methods • understands and evaluates SWAPS
General Competences
<p>Adapting to new situations</p> <p>Decision-making</p> <p>Working independently</p> <p>Teamwork</p> <p>Working in an international environment</p> <p>Working in an interdisciplinary environment</p>

Production of new research ideas Teamwork

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

3. SYLLABUS

1. Introduction to Financial Derivatives
2. Forward Contracts and Futures Contracts
3. Futures Contracts Market Mechanism
4. Risk Hedging with Futures Contracts
5. Forwards and Futures contracts Valuation
6. Interest Rates and Currency Exchange Rates Futures and Forwards Contracts
7. Options
8. Option Properties
9. Option Strategies
10. Option Valuation Methods
11. GREEKS
12. Interest Rates Options
13. SWAPS

A combination of teaching and learning methods will be used, aiming at the active participation of the students and the practical application of the thematic units under examination; there will also be lectures using audiovisual media, discussions, and analyses of case studies on real business issues, experiential (group) activities, as well as projections of relevant videos. The students will also undertake an individual or group project. Furthermore, articles, audiovisual lecture materials, web links/addresses, useful information, case studies and exercises for further practice are posted in digital form on the AUA Open e-Class platform.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face -to-face, Distance learning
USE OF INFORMATION and COMMUNICATIONS TECHNOLOGY	<ul style="list-style-type: none"> • Support of the learning process through the University's AUA Open eClass platform (integrated e-Course Management System) • Support of lectures using presentation software • Use of audiovisual material • Use of web applications <p>Communication with students: face to face at office</p>

	hours, email, eclass platform														
TEACHING METHODS	<table border="1"> <thead> <tr> <th data-bbox="699 259 1031 295"><i>Activity</i></th> <th data-bbox="1031 259 1358 295"><i>Workload</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="699 295 1031 331">Lectures (direct)</td> <td data-bbox="1031 295 1358 331">65</td> </tr> <tr> <td data-bbox="699 331 1031 394"><i>Writing paper/ papers</i></td> <td data-bbox="1031 331 1358 394">28</td> </tr> <tr> <td data-bbox="699 394 1031 430"><i>Independent Study</i></td> <td data-bbox="1031 394 1358 430">30</td> </tr> <tr> <td data-bbox="699 430 1031 465"><i>Advisory support</i></td> <td data-bbox="1031 430 1358 465">0,5</td> </tr> <tr> <td data-bbox="699 465 1031 528"><i>Exams</i></td> <td data-bbox="1031 465 1358 528">2</td> </tr> <tr> <td data-bbox="699 528 1031 685"><i>Course Total (Approximately 25 hours of workload per credit unit 125.5)</i></td> <td data-bbox="1031 528 1358 685">125,5 h</td> </tr> </tbody> </table>	<i>Activity</i>	<i>Workload</i>	Lectures (direct)	65	<i>Writing paper/ papers</i>	28	<i>Independent Study</i>	30	<i>Advisory support</i>	0,5	<i>Exams</i>	2	<i>Course Total (Approximately 25 hours of workload per credit unit 125.5)</i>	125,5 h
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STUDENT PERFORMANCE EVALUATION	<p>The evaluation process is in the language that the course is taught (Greek or English) and consists of:</p> <ol style="list-style-type: none"> i. Compulsory written final examination at the end of the semester (weighting factor 70% at least) which may includes: <ul style="list-style-type: none"> • Multiple choice questionnaires • Open-ended questions • Problem solving • Oral examination <p>Evaluation criteria: correctness, completeness, clarity</p> ii. Optional written exam or essay during the semester (weighting factor 30%) which may includes: <ul style="list-style-type: none"> • Multiple choice questionnaires • Open-ended questions • Problem solving • Essay/report • Oral examination <p>Evaluation criteria: correctness, completeness, clarity</p> <p>Special learning difficulties:</p> <p>Students with special learning difficulties in writing and reading (as they are certified and characterized by a competent body) are examined based on the procedure provided by the Department.</p> <p>Specifically-Defined Criteria:</p> <p>The evaluation criteria are made known during the first lesson and are clearly stated on the course website and the AUA Open e-class platform. The answers to the exam questions are posted on the AUA Open e-Class platform after the exam. The students are allowed to see their exam paper after its grading (during the</p>														

	announced office hours) and receive explanations about the grade they received.
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5. ATTACHED BIBLIOGRAPHY

Suggested Bibliography in Greek Language:

- Χρηματοοικονομικά Παράγωγα, Θωμάς Πουφινάς και Χρήστος Φλώρος, Εκδόσεις ΔΙΔΙΓΜΑ
- Cuthbertson Keith, Nitzsche Dirk, O'Sullivan Nial Παράγωγα-Θεωρία και Πρακτική Broken Hill Publishers Ltd 2020

Suggested Bibliography in English Language:

Related academic Journals:

- Journal of Commodity Markets
- Journal of Futures Markets
- European Review of Agricultural Economics
- Journal of Agricultural Economics
- American Journal of Agricultural Economics
- Agricultural Economics
- Australian Journal of Agricultural and Resource Economics

Instructor's Notes