COURSE OUTLINE

(1) GENERAL

SCHOOL	Shipping and	d Industry		
ACADEMIC UNIT	Department	of Maritime Stu	dies	
LEVEL OF STUDIES	Undergradua	ate		
COURSE CODE	NAS 441		SEMESTER	8
COURSE TITLE	Financial Ris	k Management		
if credits are awarded for separate con lectures, laboratory exercises, etc. If the whole of the course, give the weekly teach	mponents of the e credits are aw	e course, e.g. arded for the	WEEKLY TEACHING HOURS	CREDITS
			3	6
Add rows if necessary. The organisation of methods used are described in detail at (d,	9	J		
general background, special background, specialised general knowledge, skills development				
PREREQUISITE COURSES:	None			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek			
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No			
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

Upon completing this course, the student will be able to:

- Understand the fundamental principles of risk management in money markets and capital markets
- Apply portfolio diversification techniques in risk management
- Price securities
- Assess portfolio management performance
- Calculate Value-at-Risk
- Employ financial derivatives for the purpose of risk management
- Price financial derivatives
- Apply credit risk management techniques

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, Project planning and management

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

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

Search for, analysis and synthesis of data and information, with the use of the necessary technology

Working independently

Production of free, creative and inductive thinking

(3) SYLLABUS

Week 1 – Introduction to risk management

Week 2 - Fundamental elements of portfolio management

Week 3 – Equilibrium models in money markets and capital markets

Week 4 – Portfolio performance evaluation

Week 5 - Risk management: Value-at-Risk

Week 6 – Forwards and futures

Week 7 – Options and swaps

Week 8 – Financial derivatives: Valuation

Week 10 – Credit risk management

Week 11 – Special topics in risk management

Week 12 – Financial crises

Week 13 - Recap

(4) TEACHING and LEARNING METHODS - EVALUATION

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-	Activity Lectures Project Non-directed study	Semester workload 52 38 20
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY Use of ICT in teaching, laboratory education, communication with students 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-	Lectures Project	52 38
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directed study according to the principles of the		
ECTS		
	Course total	150
= · · · = · · · P	Project 20%	
Description of the evaluation procedure \(\mathbb{\partial} \)	TUJECT 2070	
	Written exams 80%	
Language of evaluation, methods of evaluation,		
summative or conclusive, multiple choice		
summative or conclusive, multiple choice questionnaires, short-answer questions, open-		
summative or conclusive, multiple choice		
summative or conclusive, multiple choice questionnaires, short-answer questions, openended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical		
summative or conclusive, multiple choice questionnaires, short-answer questions, openended questions, problem solving, written work, essay/report, oral examination, public		
summative or conclusive, multiple choice questionnaires, short-answer questions, openended 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,		
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Description of the evaluation procedure	Project 20%	

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

Hull, J.C. 2018. Risk management and financial institutions. 5^{th} Edition, Wiley. Hull, J.C. 2021. Futures, options and other derivatives. 11^{th} Edition. Pearson.

- Related academic journals:

Journal of Finance

Journal of Futures Markets

Journal of Portfolio Management

Journal of Banking and Finance

Review of Derivatives Research