

COURSE OUTLINE

(1) GENERAL

SCHOOL	SCHOOL OF INFORMATION SCIENCES & TECHNOLOGY		
ACADEMIC UNIT	DEPARTMENT OF STATISTICS		
LEVEL OF STUDIES	1st Cycle (UNDERGRADUATE)		
COURSE CODE	6135	SEMESTER	4th
COURSE TITLE	ACTUARIAL SCIENCE I		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
		4	7
COURSE TYPE	ELECTIVE - Scientific Field		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)	https://www.dept.aueb.gr/en/stat/content/actuarial-i-7-ects		

(2) LEARNING OUTCOMES

Learning outcomes
At the end of the course, the students will be able to deal with the basic problems of pricing, reserving and reinsurance in a non- life insurance company.
General Competences
• Search for, analysis and synthesis of data and information, with the use of the necessary technology • Decision-making • Homework

(3) SYLLABUS

The specific course is an introduction to the problems arising in the insurance industry of non-life business.
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(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face to Face
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USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	YES	
TEACHING METHODS	Activity	Semester workload
	Lectures	170
	Educational visits	5
	Course total	175
STUDENT PERFORMANCE EVALUATION	Written examination at the end of the semester. The instructor may additionally conduct a supplementary oral examination of a selected sample of students, based on an appropriate sampling procedure, the outcome of which is taken into account in determining the final grade.	

(5) ATTACHED BIBLIOGRAPHY

• ZIMBIDIS A. (2008) Actuarial Mathematics for Non-Life Insurance. Athens University of Economics and Business • ZIMBIDIS A. (2008) Risk Theory, Athens University of Economics and Business • Robert L. Brown, Leon R. Gottlieb (2007) Introduction to Ratemaking and Loss Reserving for Property and Casualty Insurance, ACTEX Publications. • Kaas, R., Goovaerts, M., Dhaene, J., Denuit, M. (2008) Modern Actuarial Risk Theory, SPRINGER, 2nd ed.
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