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**	**4**[th]
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-courses

(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.

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face to Face

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	

(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.