COURSE OUTLINE

(1) GENERAL

SCHOOL	SCHOOL OF SCIENCES
ACADEMIC UNIT	DEPARTMENT OF STATISTICS & ACTUARIAL – FINANCIAL MATHEMATICS
LEVEL OF STUDIES	POSTGRADUATE PROGRAM Statistics & Actuarial – Financial Mathematics
COURSE CODE	333-1102 SEMESTER A
COURSE TITLE	EXPLORATORY STATISTICS AND DATA ANALYSIS

INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS	CREDITS
	2	6

COURSE TYPE	SPECIALISED GENERAL KNOWLEDGE
PREREQUISITE COURSES:	NO
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES
COURSE WEBSITE (URL)	http://www.samos.aegean.gr/samos_actuar/modules_eng.html

(2) LEARNING OUTCOMES

Learning outcomes
After the successful completion of the course, students should be able to: • Perform statistical data analyses • Prepare statistical reports in a basic level • Deeside the appropriate statistical technique
General Competences
• Search for, analysis and synthesis of data and information, with the use of the necessary technology • Decision-making • Team work • Working in an international environment • Working in an interdisciplinary environment • Project planning and management

(3) SYLLABUS

Case studies: Data analysis and report writing.

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Synchronous and Asynchronous E-Learning and Face-to-face learning.
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	Communication with students via e-mail Posting slides and course material on the website

TEACHING METHODS	Activity	Semester workload

	Lectures	24
	Independent study	80
	Exercise solving-Projects	46
	Course total (25 per ECTS)	**150**
STUDENT PERFORMANCE EVALUATION	Student evaluation is done in Greek through a written examination which includes short-answer questions and problem solving. For students with disabilities, evaluation takes place via oral exams.	

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. Γναρδέλλης, Χ. (2013). Ανάλυση δεδομένων με το IBM SPSS STATISTICS 21, ΕΚΔΟΣΕΙΣ Α.ΠΑΠΑΖΗΣΗΣ ΜΟΝΟΠΡΟΣΩΠΗ ΙΔΙΩΤΙΚΗ ΚΕΦΑΛΑΙΟΥΧΙΚΗ ΕΤΑΙΡΕΙΑ
2. Βόντα, Ι. και Καραγρηγορίου, Α. (2017). Εφαρμοσμένη Στατιστική Ανάλυση και Στοιχεία Πιθανοτήτων, Εκδόσεις Παρασκήνιο, Μαρίνης Σπύρος & Σία Ο.Ε., Αθήνα.
3. Τσάντας, Μωϋσιάδης, Μπαγιάτης, Χατζηπαντελής (1999). *Ανάλυση Δεδομένων με τη Βοήθεια Στατιστικών Πακέτων (SPSS EXCEL S-PLUS). Εκδόσεις Ζήτη*
4. *Μπερσίμης Σ. και Σαχλάς, Α. (2016).* Εφαρμοσμένη Στατιστική με χρήση του IBM SPSS STATISTICS 23, Εκδόσεις Τζιόλα.