COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Economic Sciences				
ACADEMIC UNIT	Department of Accounting and Finance				
LEVEL OF STUDIES	Undergraduate				
COURSE CODE	AF106	SEMESTER 1 ST			
COURSE TITLE	Statistics I				
INDEPENDENT TEACHING ACTIVITIES if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits		WEEKLY TEACHING HOURS		CREDITS	
lectures and exercises			3		5
TOTAL		3		5	
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).					
COURSE TYPE general background, special background, specialised general knowledge, skills development	General Back	kground			
PREREQUISITE COURSES:	None				
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek				
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes (upon re	quest)			
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 the successful completion of the course, the students will acquire knowledge and skills that will allow them to:

- Comprehend the role and application of statistics, especially in economic problems.
- Comprehend the fundamental concepts of statistics and the interpretation of statistical quantities.
- Apply simple statistical methodology, comprehend and interpret statistical inferences.
- Use specialised statistical analysis software to analyse real problems.

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	Respect for difference and multiculturalism
Adapting to new situations	Respect for the natural environment
Decision-making	Showing social, professional and ethical responsibility and
Working independently	sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment	

Productio	on of new research ideas	Others	
•	Production of free, creative, and inductive thinking		
•	Production of analytical and synthetic thinking		
•	Working independently		
•	Team work		

(3) SYLLABUS

Course syllabus:

- Definitions: population sample research unit sample unit parameter statistic variable
- Univariate descriptive statistics: number of cases relations percentages (%) ratios. Frequency distributions. Measures of central tendency: mean – median – mode. Measures of position: deciles – quartiles – percentiles. Measures of dispersion: variance – quartile deviation – mean deviation – standard deviation – coefficient of variation
- Measures of shape: skewness kurtosis
- Theoretical distributions
- Sampling: sample selection methods sample size
- Statistical estimation: confidence intervals

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face-to-face and	distance lear	ning		
Face-to-face, Distance learning, etc.			o		
USE OF INFORMATION AND	Use of Keynote				
COMMUNICATIONS TECHNOLOGY	Use of the electro	Use of the electronic platform e-class			
Use of ICT in teaching, laboratory education, communication with students					
TEACHING METHODS	Activity		Semester workload		
The manner and methods of teaching are described in detail.	lectures		15		
Lectures, seminars, laboratory practice,	27		30		
fieldwork, study and analysis of bibliography,	exercises		45		
tutorials, placements, clinical practice, art workshop, interactive teaching, educational	27		60		
visits, project, essay writing, artistic creativity,	Case studies				
etc.	42				
The student's study hours for each learning	Independent s	tudy			
activity are given as well as the hours of non- directed study according to the principles of the	54				
ECTS					
	Course total		150		
STUDENT PERFORMANCE EVALUATION			nts with options according		
Description of the evaluation procedure		references	· · · · · · · · · · · · · · · · · · ·		
	-		ormance evaluation takes		
Language of evaluation, methods of evaluation, summative or conclusive, multiple choice	place in three				
questionnaires, short-answer questions, open-	I. Reports (60%) and written assignment				
ended questions, problem solving, written work, essay/report, oral examination, public	(40%). Student participation in the reports is optional. Students are examined in every single unit of the course. Written assignment is also				
presentation, laboratory work, clinical					
examination of patient, art interpretation, other					
Specifically-defined evaluation criteria are given,					
and if and where they are accessible to students.		optional, but it requires			
			to the course subject.		
			on how to carry out the		
		-	well as information about		
			n deadline are announced		
		e-class.			
	II. Wr	itten assig	nment (40%) and final		
			ams (60%). Written		
	ass	ignment is	optional, but it requires		
	inte	ensive com	nmitment to the course		
	sub	oject.			
	III. Fina	al written e	exams (100%) for students		
	wh	o neither o	pt for reports nor carry out		
	a w	ritten assig	nment.		
	Language of examination: Greek				

(5) SUGGESTED BIBLIOGRAPHY

- Σαριαννίδης, Ν. & Κοντέος, Γ. (2012), "Στατιστική", Κοντέος Γεώργιος, Κοζάνη, ISBN 978-960-93-3978-0.
- Κικίλιας, Π., Παλαμούρδας, Δ., Πετράκης, Α. & Τσουκαλάς Δ. (2001), "Στατιστική Πιθανότητες", Δήρος, Αθήνα, ISBN 960-8271-07.
- Μπόρα Σέντα Ε. & Μωυσιάδης, Χ. (1990), "Εφαρμοσμένη Στατιστική", Ζήτη Πελαγία & Σια Ο.Ε., Θεσσαλονίκη, ISBN: 960-431-184-0.
- 4. Gerald, K. (2010) "Στατιστική για οικονομικά και διοίκηση επιχειρήσεων", Επίκεντρο, Θεσσαλονίκη, ISBN: 978-960-458-206-8.