

COURSE OUTLINE

(1) GENERAL

SCHOOL	BUSINESS SCHOOL		
ACADEMIC UNIT	DEPARTMENT OF SHIPPING TRADE AND TRANSPORT		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	TE0402	SEMESTER	B
COURSE TITLE	STATISTICS II		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
		3	5
COURSE TYPE	BACKGROUND COURSE		
PREREQUISITE COURSES:	NONE		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://eclass.aegean.gr/courses/TNEY229/		

(2) LEARNING OUTCOMES

Learning outcomes
<p>"Statistics II" aim to provide first year students with fundamental concepts, definitions and methods of Probability theory as well as to equip students with knowledge and tools enabling the deepening in topics related to various advance statistical methods.</p> <p>Upon completion of the learning process the graduate student will be able:</p> <ul style="list-style-type: none"> • to understand the basic methods of quantitative analysis • to understand their application through the statistical package SPSS • to use basic methods of quantitative analysis and in solving various quantitative problems related to the maritime sector.
General Competences
<p>Search for, analysis and synthesis of data and information, with the use of the necessary technology</p> <p>Adapting to new situations</p> <p>Decision-making</p> <p>Working independently</p> <p>Team work</p> <p>Working in an interdisciplinary environment</p>

(3) SYLLABUS

<ul style="list-style-type: none"> • Introduction to Statistics • One way ANOVA test • Two way ANOVA test
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- Simple Linear Regression and Correlation
- Multiple Regression
- Introduction to SPSS program

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	FACE-TO-FACE	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	<ul style="list-style-type: none"> • Use of ICT in teaching (PPT presentations) • Communication with students via e-mail and e-class platform • Uploading extending exercises, notes and lessons on the eclass platform 	
TEACHING METHODS	Activity	Semester workload
	Lectures	39
	Exercises of deepening and practice	39
	Independent study	47
	Course total	125
STUDENT PERFORMANCE EVALUATION	<p>The examination of the course is carried out by written final examination.</p> <p>Evaluation Language: Greek</p>	

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Angelis V., & Dimaki K., (2011), *Statistics*, Vol. A, Ed. Sofia, Thessaloniki.
- Angelis, B., (2004), *Statistics B ' , University Notes*, Chios.
- Downing, D., Clark, J., (2010), *Business Statistics*, Kleidarithmos EPE, Athens.
- Dimitriadis, E., (2016), *Business Statistics with Applications in SPSS and Lisrel*, Critical Publications, Athens.
- Field, A., (2015), *Investigation of Statistics with the use of IBM's SPSS*, Propompos Publications, Kimeris K. Th., Athens.
- Gardellis, X., (2013), *Data Analysis with IBM SPSS Statistis 21*, Papazisis Publications, Athens.
- Kalamatianou, A., (2003), *Social Statistics*, Papazisis Publishing SA, Athens.
- Nova-Kaltsounis, Ch., (2006), *Methodology of empirical research in the social sciences*, G. Dardanos - K. Dardanos Publications, Athens.
- Halikias, I., (2017), *Statistical Methods of Analysis for Business Decisions*, Ed. Rosili, Athens.
- Halki, M., (2016), *Research Methodology and Introduction to Statistical Data Analysis with IBM SPSS STATISTICS*, Greek Academic Electronic Texts and Assistants - Kaliipos Depository, Athens. (e-book)

- Related academic journals:

- Annals of Statistics

- Computational Statistics & Data Analysis
- International Statistical Review
- Journal of Applied Statistics
- Review of Economics and Statistics