

COURSE OUTLINE

(1) GENERAL

SCHOOL	SCHOOL OF INFORMATION SCIENCES & TECHNOLOGY		
ACADEMIC UNIT	DEPARTMENT OF STATISTICS		
LEVEL OF STUDIES	1st Cycle (UNDERGRADUATE)		
COURSE CODE	6114	SEMESTER	6 th
COURSE TITLE	Official Statistics		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	7
Workshops			
Labs		2	
COURSE TYPE	Elective – Specific Background		
PREREQUISITE COURSES:			
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)	https://www.dept.aueb.gr/en/stat-courses		

(2) LEARNING OUTCOMES

Learning outcomes
After successfully completing the course, students will be able to understand the basic concepts and principles of international and National official statistics. They will also be able to know the basic concepts and principles of constructing, estimating and using index numbers.
General Competences
• Search, analysis and synthesis of data and information, using the necessary technologies • Adaptation to new situations • Decision-making • Autonomous work • Teamwork • Working in an international environment • Working in an interdisciplinary environment • Generating new research ideas • Project planning and management • Respect for diversity and multiculturalism • Respect for the natural environment

- Demonstrating social, professional and ethical responsibility and sensitivity to gender issues
- Exercising criticism and self-criticism
- Promoting free, creative and inductive thinking

(3) SYLLABUS

Introduction, indices, simple and complex numbers, simple size indices, individual indices behavior, mathematical formulae for weighted and unweighted index numbers, base, base change, unifying indices time series, errors, heterogeneity, sampled indices in Greece, indices as random variables.

Family budget surveys, Metadata. Describing and using data and surveys by EUROSTS, OECD, UN, etc.

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	YES	
TEACHING METHODS	Activity	Semester workload
	Lectures	55
	Lab Exercise	10
	Field Exercise	10
	Studying and Analyzing Bibliography	5
	Tutorial	15
	Interactive Teaching	10
	Educational Visits	10
	Project	15
	Assignment	40
	Scientists Lectures	5
	Course Total	175
STUDENT PERFORMANCE EVALUATION	Written Exam at the end of the Semester	60
	Project	10
	Public Presentation	5
	Lab Exercises	15
	Practical Exercises	10
	Information is available at eclass	

(5) ATTACHED BIBLIOGRAPHY

- Τζωρτζόπουλος Π., Α Λειβαδά (2011) «Αριθμοδείκτες Και Επίσημες Στατιστικές», Οικονομικό Πανεπιστήμιο Αθηνών, Αθήνα. - OECD (2008) "Handbook on Constructing Composite Indicators – Methodology and User Guide".	
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