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**	**6th**
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/content/official-statistics-7-ects

(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 • Review, 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

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

(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”.