

COURSE OUTLINE

(1) GENERAL

SCHOOL	SCHOOL OF INFORMATION SCIENCES & TECHNOLOGY		
ACADEMIC UNIT	DEPARTMENT OF STATISTICS		
LEVEL OF STUDIES	1st Cycle (UNDERGRADUATE)		
COURSE CODE	6110-45	SEMESTER	3 rd
COURSE TITLE	ERASMUS BIP: BLENDED MOBILITY FOR STUDIES		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
Lectures			3-6, depending on the length of stay to the Host University
Workshops			
Labs			
COURSE TYPE	Elective		
PREREQUISITE COURSES:	The student has the right to participate in the program only once (1) during his/her studies. Students are eligible for participating in the program: 1. At least in the second year of studies 2. Have accumulated at least, at the time of their application, 60 credits (ECTS), including courses from the 1st year of studies. 3. Have a good knowledge of the language of the Host Institution (level B2)		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS			
COURSE WEBSITE (URL)	https://www.dept.aueb.gr/en/stat/content/erasmus-bip-mixed-mobility-studies-3-6-ects		

(2) LEARNING OUTCOMES

Learning outcomes
Students will be able to: • Understand basic concepts of Statistical Inference and its practical applications. • Analyze data using statistical techniques. • Develop and evaluate statistical models. • Apply statistical techniques to solve real problems. • Use statistical packages and software. • Communicate their results in a clear and easily understandable manner.
General Competences
• Adaptation to new situations • Decision-making • Independent work

- Teamwork
- Working in an international environment
- Generation of new research ideas
- Critical and self-critical thinking
- Promotion of free, creative, and inductive thinking

(3) SYLLABUS

The content of the course is shaped according to the specific BIP in which the student participates. BIPs are organized in cooperation with different Universities and Departments and may have a different thematic focus and academic subject. Therefore, the content, the individual thematic units, and the educational activities of the course vary depending on the BIP.

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Online meetings, short visits in person in the Host University, as described in the signed Multilateral Inter-Institutional Agreement between the Universities involved	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	YES	
TEACHING METHODS	Activity	Semester workload
	Course total	
STUDENT PERFORMANCE EVALUATION	Pass/fail after a 10 – 15 min presentation and communication between Academic Officers of the Department and the Host University.	

(5) ATTACHED BIBLIOGRAPHY

- Larry Wasserman (2003). All of Statistics - A Concise Course in Statistical Inference. Springer New York, NY
- Trevor Hastie, Robert Tibshirani, Jerome Friedman (2009) - The Elements of Statistical Learning - Data Mining, Inference, and Prediction, Second Edition. Springer New York, NY