

COURSE OUTLINE

(1) GENERAL

SCHOOL	SOCIAL SCIENCES		
ACADEMIC UNIT	SOCIOLOGY		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	STAK130_lab	SEMESTER	3rd
COURSE TITLE	Laboratory course - Social Statistics I		
INDEPENDENT TEACHING ACTIVITIES <i>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</i>		WEEKLY TEACHING HOURS	CREDITS
		3	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	General background/Skills development		
PREREQUISITE COURSES:	The laboratory course is connected to the course "Social Statistics I"		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	Available at Class Web		

(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 successful completion of the laboratory course, students will be able to use the statistical package SPSS to carry out analysis on social data both at descriptive level and basic inferential analysis techniques as they are introduced in the theoretical course of Social Statistics.

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, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas

Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking
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Others...
.....

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Decision-making
- Working independently
- Team work
- Production of new research ideas

(3) SYLLABUS

Laboratory exercises using SPSS on the following topics

- Organize and import data
- Frequencies
- Charts
- Measures of central tendency
- Measures of dispersion
- Normal distribution
- χ^2 for one sample
- χ^2 for two samples
- t-test
- Pearson Correlation
- Spearman rho
- Simple linear regression

(4)TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Laboratory education and application of statistical package	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.</i> <i>The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Laboratory practice	45
	Non-directed study	40
	Essay writing	40
	Course total	125
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	<p>Language of evaluation: Greek</p> <p>Methods of evaluation: Three assignments during the semester</p> <p>Students know the evaluation criteria from the laboratory course's syllabus distributed at the beginning of the semester.</p>	

(5) ATTACHED BIBLIOGRAPHY

- Ρούσσος, Π. & Τσαούσης Γ. (2011). *Στατιστική στις Επιστήμες της Συμπεριφοράς με τη Χρήση του SPSS*. Αθήνα: Μοτίβο Εκδοτική.
- Κατσής, Α., Σιδερίδης Γ. & Εμβαλωτής, Α. (2010). *Στατιστικές Μέθοδοι στις Κοινωνικές Επιστήμες*, Αθήνα: Τόπος.
- Ρόντος, Κ. (2011). *Ανάλυση Στατιστικών Δεδομένων και Δημογραφικές-Κοινωνικές Εφαρμογές*, Αθήνα: Μπένου.
- Υφαντόπουλος, Γ. & Νικολαΐδου, Κ. (2008). *Η Στατιστική στην Κοινωνική Έρευνα*, Αθήνα: Gutenberg.
- Γναρδέλλης, Χ. (2009). *Ανάλυση Δεδομένων με το PASW Statistics 17.0*, Αθήνα: Παπαζήση.
- Γναρδέλλης, Χ. (2003). *Εφαρμοσμένη Στατιστική*, Αθήνα: Παπαζήση
- Κατσύλης, Ι. (2005). *Περιγραφική Στατιστική Εφαρμοσμένη στις Κοινωνικές Επιστήμες και την Εκπαίδευση. Με Έμφαση στην Ανάλυση με Υπολογιστές*, Αθήνα: Gutenberg
- Martin, O. (2008). *Η Ανάλυση Ποσοτικών Δεδομένων* (Μετ. Αθανασιάδης, Η.), Αθήνα: Τόπος.
- Νόβα-Καλτσούνη, Χ. (2006). *Μεθοδολογία Εμπειρικής Έρευνας στις Κοινωνικές Επιστήμες. Ανάλυση Δεδομένων με τη Χρήση του SPSS 13*, Αθήνα: Gutenberg.
- Diamond, I. & Jefferies, J. (2006). *Αρχίζοντας τη Στατιστική. Μια Εισαγωγή για τους Κοινωνικούς Επιστήμονες*, Αθήνα: Παπαζήση.