COURSE OUTLINE

(1) GENERAL

SCHOOL	SOCIAL SCIENCES		
ACADEMIC UNIT	SOCIOLOGY		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	**STAK330**	**SEMESTER**	6th and over
COURSE TITLE	Special topics on Social Statistics (seminar)		

INDEPENDENT TEACHING ACTIVITIES *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*	**WEEKLY TEACHING HOURS**	**CREDITS**
	3	6
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	Skills development (seminar)
PREREQUISITE COURSES:	STAK130 STAK130_LAB METHK132
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No
COURSE WEBSITE (URL)	Available at Class Web and/or e-learn platform TBA

(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 seminar, students will be able to perform specific quantitative data analysis techniques using appropriate software, which are widely used in social studies.

In addition, they will be able to choose the appropriate statistical technique depending on the type of data they intend to analyze.

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	*Project planning and management*
Adapting to new situations	*Respect for difference and multiculturalism*
Decision-making	*Respect for the natural environment*
Working independently	*Showing social, professional and ethical responsibility and sensitivity to gender issues*
Team work	*Criticism and self-criticism*
Working in an international environment	*Production of free, creative and inductive thinking*
Working in an interdisciplinary environment	*……*
Production of new research ideas	*Others…*
	…….

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Team work
- Decision-making
- Production of new research ideas
- Criticism and self-criticism
- Production of free, creative and inductive thinking

(3) **SYLLABUS**

Brief syllabus (The analytical syllabus and outline of the seminar is provided during the first week of the semester)

- T-test, examples and applications in SPSS
- Mann-Whitney & Wilcoxon test, examples and applications in SPSS
- ANOVA, examples and applications in SPSS
- Kruskal-Wallis test, examples and applications in SPSS
- Multiple linear regression, examples and applications in SPSS
- Logistic regression analysis, examples and applications in SPSS
- Factor Analysis

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY *Face-to-face, Distance learning, etc.*	Face-to-face
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, laboratory education, communication with students*	Laboratory education and application of statistical packages
TEACHING METHODS *The manner and methods of teaching are described in detail.* *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.* *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*	
STUDENT PERFORMANCE EVALUATION *Description of the evaluation procedure* *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* *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.*	Language of evaluation: Greek Methods of evaluation: Two assignments involving applications of statistical tests and regression procedures respectively. Each assignment will count 50% of the final grade. Students are informed on the evaluation criteria from the laboratory course's syllabus distributed at the beginning of the semester.

Activity	*Semester workload*
Lectures	50
Laboratory practice	50
Non-directed study	30
Essay writing	20
Course total	***150***

(5) ATTACHED BIBLIOGRAPHY

Κατσής Α., Σιδερίδης Γ., & Εμβαλωτής Α. (2010). Στατιστικές μέθοδοι στις Κοινωνικές Επιστήμες. Αθήνα: Εκδοτική ΑΕ.

Bartholomew D. J.,Steele F.,Μουστάκη Ε.,Galbraith J.I. (2007). Ανάλυση πολυμεταβλητών δεδομένων για κοινωνικές επιστήμες . Αθήνα: ΕΠΙΚΕΝΤΡΟ.

David De Vaus, (2008). Ανάλυση Κοινωνικών Δεδομένων. 50 Βασικά Θέματα. Αθήνα: Ελληνικά Γράμματα.

Υφαντόπουλος, Γ. & Νικολαιδου, Κ. (2008). Η Στατιστική στην Κοινωνική Έρευνα. 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.

Γναρδέλλης, Χ. (2003). Εφαρμοσμένη Στατιστική. Αθήνα: Παπαζήση

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Mallery. G. (2006). SPSS for Windows Step by Step: A Simple Guide and Reference (6th edition). Boston: Allyn and Bacon.

Russell, H. (2005). Comprehending Behavioral Statistics, 4th edition. Belmont: Wadsworth Cengage