COURSE OUTLINE 23

1. GENERAL

SCHOOL	SOCIAL, POLITICAL AND ECONOMIC SCIENCES		
DEPARTMENT	SOCIAL POLICY		
LEVEL OF STUDIES	LEVEL 6		
COURSE CODE	**23**	**SEMESTER**	4th
COURSE TITLE	Quantitative methods of social research		

TEACHING ACTIVITIES *If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.*	**TEACHINGHOURSPERWEEK**	**ECTSCREDITS**
	3	6
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	Empirical methodology
PREREQUISITES:	-
TEACHING & EXAMINATION LANGUAGE:	Greek
COURSE OFFERED TO ERASMUS STUDENTS:	-
COURSE URL:	-

2. LEARNING OUTCOMES

Learning Outcomes
Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.

The aim of the course is for students to enrich and deepen their knowledge and skills in empirical analysis.

After successful completion of the course, the student will be able to:

- *have acquired a knowledge base in data and microdata analysis methodologies and techniques.*
- *process and interpret the information provided by the analysis of data sets.*
- *understand in depth the reasons for choosing one or the other method.*
- *use basic data analysis tools.*
- *correctly interpret diagrammatic representations.*

General Skills
Name the desirable general skills upon successful completion of the module

Search, analysis and synthesis of data and information, *ICT Use* *Adaptation to new situations* *Decision making* *Autonomous work* *Teamwork* *Working in an international environment* *Working in an interdisciplinary environment* *Production of new research ideas*	*Project design and management* *Equity and Inclusion* *Respect for the natural environment* *Sustainability* *Demonstration of social, professional and moral responsibility and sensitivity to gender issues* *Critical thinking* *Promoting free, creative and inductive reasoning*
Search, analysis and synthesis of data and information, using the necessary technologies Decision making Autonomous work Teamwork Work in an international environment Exercise criticism and self-criticism Respect for diversity and multiculturalism Promotion of free, creative and inductive thinking	

3. COURSE CONTENT

The course material is distributed over 13 weeks, the content of which is:

- Introduction to SPSS
- Descriptive statistics in SPSS
- Bivariate analysis (two variables) in SPSS
- Research with questionnaire
- Questionnaires and Data Entry in SPSS
- Importing data into SPSS and Crosstabs
- Hypothesis testing and the t-test in SPSS
- Errors in hypothesis testing and the chi-squared test in SPSS
- The Mann-Whitney U test in SPSS
- The Kruskal-Wallis H test in SPSS
- Variance Analysis - One Way ANOVA in SPSS
- Hypothesis testing – selecting the appropriate test in SPSS
- Meta-analysis in SPSS

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Face to face
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	**Yes** Databases and eclass are used to post teaching materials, announcements and to communicate with students. Also, in the teaching material is used in pptx which is available to the students.

TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographicresearch& analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	

Activity	*Workload/semester*
Lectures	39
Interactive teaching	14
Elaboration of a study	38
Independent study and preparation for exams	48
Study presentation	9
Final Written Examination	2
TOTAL COURSE (25 HOURS OF WORKLOAD PER CREDIT UNIT)	150

STUDENT EVALUATION *Description of the evaluation process* *Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report,Clinical examination of a patient,Artistic interpretation, Other/Others* *Please indicate all relevant information about the course assessment and how students are informed*	*The final evaluation takes into account:* *1) The preparation of a study* *2) The study presentation* *3) The written exam.* *Elaboration and presentation of assignments:* *The criteria of writing academic texts, essays and presenting academic papers apply. The main criteria are the accuracy and clarity of the use of terminology, the clear organization of the content and the appropriate use of the bibliography for the development of the topic of the work. The use of ICT is necessary in the presentation.*

5. SUGGESTED BIBLIOGRAPHY

Winkelmann, R. & Boes, S. (2009). *Analysis of microdata*. Switzerland, Springer.

ANNEX OF THE COURSE OUTLINE

Alternative ways of examining a course in emergency situations

Teacher (full name):	Alexandra Gkoulgkoutsika
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Supervisors: (1)	NO
Evaluation methods: (2)	*Written assignment* or/and exercises
Implementation Instructions: (3)	During the examination period, grading 0 to 10

(1) Please write YES or NO

(2) Note down the evaluation methods used by the teacher, e.g.

- *written assignment*or/and exercises
- written or oral examination with distance learning methods, provided that the integrity and reliability of the examination are ensured.

(3) In the **Implementation Instructions** section, the teacher notes down clear instructions to the students:

a) in case of **written assignment and / or exercises:** the deadline (e.g. the last week of the semester),the means of submission, the grading system, the grade percentage of the assignment in the final grade and any other necessary information.

b) in case of **oral examination with distance learning methods:** the instructions for conducting the examination (e.g. in groups of X people), the way of administration of the questions to be answered, the distance learning platforms to be used, the technical means for the implementation of the examination (microphone, camera, word processor, internet connection, communication platform), the hyperlinksfor the examination, the duration of the exam, the grading system, the percentage of the oral exam in the final grade, the ways in which the inviolability and reliability of the exam are ensured and any other necessary information.

c) in case of **written examination with distance learning methods**:the way of administration of the questions to be answered, the way of submitting the answers, the duration of the exam, the grading system, the percentage of the written exam of the exam in the final grade, the ways in which the integrity and reliability of the exam are ensured and any other necessary information.

There should be anattached list with the Student Registration Numbersonly of students eligible to participate in the examination.