

## COURSE OUTLINE

### (1) General

<b>School:</b>	Social Sciences		
<b>Academic Unit:</b>	Geography		
<b>Level of studies</b>	Undergraduate		
<b>Course Code:</b>	GEO 300	<b>Semester:</b>	G
<b>Course Title:</b>	Applied Research Design in Geography		
<b>Independent Teaching Activities</b>	<b>Weekly Teaching Hours</b>	<b>Credits</b>	
Lecture		3	
Tutorials		1	
		<b>Course total</b>	5
<b>Course Type:</b>	Required		
<b>Prerequisite Courses:</b>	Quantitative methods in Geography		
<b>Language of Instruction and Examinations</b>	Greek		
<b>Is the course offered to Erasmus students:</b>	No		
<b>Course Website (Url):</b>	<a href="https://geography.aegean.gr/paps/index_en.php?content=0&amp;lesson=300">https://geography.aegean.gr/paps/index_en.php?content=0&amp;lesson=300</a>		

### (2) Learning Outcomes

#### Learning Outcomes

- Ability to formulate clearly and succinctly applied research problems
- Ability to conduct applied research by systematically processing, documenting and analyzing applied research problems
- Ability to write a bachelor's thesis
- Ability to apply analytical techniques and use the pertinent software for the analysis of applied research problem (skills)
- Ability to write the research report in various formats for different types of audience
- Learn traditional and contemporary rules of research deontology
- Ability to conduct interdisciplinary research, in cooperation with other scientists (team work), for the analysis of contemporary socio-environmental problems

#### General Competences

1. Search for, analysis and synthesis of data and information, with the use of the necessary technology
2. Adapting to new situations
3. Decision-making
4. Team work

5. Working in an interdisciplinary environment
6. Project planning and management
7. Criticism and self-criticism
8. Production of free, creative and inductive thinking

### (3) Syllabus

Comprehensive general introduction to the Applied Research Design; emphasis on geographical applications characterized by interdisciplinarity in the analysis of spatial problems. Main thematic units of the course: (a) importance and role of research in the Natural and the Social Sciences in general and in Geography in particular, alternative research approaches, basic principles of applied research methodology, (b) The main stages of applied research, (c) Problem definition, review of information sources, research questions, formulating the theoretical and analytical framework of research, (d) Selected research strategies, (e) Data collection techniques, (f) Representative data analysis techniques, (ζ) Completing the analysis, drawing conclusions, formulating proposals and writing the final research report, (η) Research deontology. The course include separate tutoring sessions for (a) teaching the use of SPSS on selected problems and (b) monitoring the progress og the term papers of the students.

### (4) Teaching and Learning Methods - Evaluation

<b>Delivery:</b>	Face to face and e-mail communication (to answer student questions re their term papers)	
<b>Use of Information and Communication Technology:</b>		
<b>Teaching Methods:</b>	<b>Activity</b>	<b>Semester workload</b>
Lecture	52	
Tutorials	13	
Project	40	
Non-supervised study	13	
Performance evaluation/Exams	20	
	<b>Course total&lt;</b>	<b>138</b>
<b>Student Performance Evaluation</b>	Term paper, final exam, in-class participation	

### (5) Attached Bibliography

1. Κυριαζή, Ν. (2009) Η Κοινωνιολογική Έρευνα: Κριτική Ανασκόπηση των Μεθόδων και των Τεχνικών, 14η έκδοση, Ελληνικά Γράμματα, Αθήνα.
2. Δαουτόπουλος, Γ. (2004) Μεθοδολογία Κοινωνικών Ερευνών, Εκδόσεις Ζυγός, Θεσσαλονίκη.
3. Gomez, B. and J.P. Jones III (2010) Research Methods in Geography. Chichester, UK, Wiley-Blackwell.
5. Flowerdew, R and D. Martin, eds. (2005) Methods in Human Geography. Prentice Hall: Essex, UK.
7. Παπαγεωργίου, Γ. (1998) Μέθοδοι στην Κοινωνιολογική Έρευνα. Τυπωθήτω, Δαρδανός: Αθήνα.
9. Javeau, C. (1996) Η Έρευνα με Ερωτηματολόγιο: Το Εγχειρίδιο του Καλού Ερευνητή. Τυπωθήτω: Αθήνα.
11. Cooke, T.D. and D.T. Campbell (1979) Quasi-Experimentation: Design and Analysis Issues in Field Settings. Boston: Houghton Mifflin Company.
13. Creswell, J.W. (1994) Research Design: Qualitative and Quantitative Approaches. London: Sage Publications.

15. Σιάρδος, Γ. (1997) Μεθοδολογία Αγροτικής Κοινωνιολογικής Έρευνας, Εκδόσεις Ζήτη, Θεσσαλονίκη.
17. Ader, H. and G. Mellenbergh (1999) Research Methodology in the Social, Behavioural and Life Sciences. London: Sage Publications.
19. Bell, J. (1997) Μεθοδολογικός Σχεδιασμός Παιδαγωγικής και Κοινωνικής Έρευνας. Gutenberg: Αθήνα.
21. Cohen, L. και Manion, L. (1997) Μεθοδολογία Εκπαιδευτικής Έρευνας, Εκδόσεις Έκφραση: Αθήνα.