### Course: Research Methods and Data Analysis

**Coordinator:** Carlos Nunes Silva  
**Teaching Staff:** Carlos Nunes Silva, Carla Mora  
**ECTS:** 6  
**Weekly Hours:** 4h  
**Typology:** Theoretical and Practical

#### Contents

1. Introduction to research  
2. Data collection  
3. Data analysis  
4. Samples and Sampling  
5. Dissemination and publication of research findings

#### Objectives and skills

**Objectives**
- To introduce students to research methods and research tools in Geography.  
- To introduce students to research ethics in Geography.  
- To introduce students to statistical concepts and methods for data collection, sampling and data analysis.  
- To publish research findings online.

**Skills**
- Capacity to select and use research methods and research tools for data collection, data analysis, sampling and statistical tests.  
- Capacity to analyze quantitative data using computer-based skills.

#### References


#### Knowledge evaluation methods and their partial grades

**a) - Evaluation system (normal)**
- 2 Tests (1st test = 35%; 2nd test = 40%)
- Exercises = 20%
- Class participation = 5%

**b) - Evaluation system (special)**
- 2 Tests (1st test = 40%; 2nd test = 60%)