

## Masters Thesis

Academic Year: ( 2022 / 2023 )

Review date: 23/06/2022 15:34:48

Department assigned to the subject: Social Sciences Department

Coordinating teacher: TORRE FERNANDEZ, MARGARITA

Type: Master Final Project ECTS Credits : 6.0

Year : 1 Semester : 2

## REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

Master's Thesis Seminar (19149)

## OBJECTIVES

Core Competences:

- Having and understanding the knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context
- Students know how to apply their acquired knowledge and problem-solving skills in new or unfamiliar settings within broader (or multidisciplinary) contexts related to their field of study.
- Students are able to integrate knowledge and to face the complexity of making judgments based on information that, being incomplete or limited, includes reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments.
- Students know how to communicate their conclusions and the knowledge and ultimate reasons behind them to specialised and non-specialised audiences in a clear and unambiguous way.
- Students have the learning skills that will enable them to continue studying in a way that will be largely self-directed or autonomous.

General Competences:

- Ability to apply theoretical and methodological knowledge of computational social sciences to the analysis and resolution of specific cases and empirical problems.
- Ability to address issues raised under new or unfamiliar environments, within the context of computational social sciences.
- Ability to plan and carry out research in the field of computational social sciences in an autonomous way.
- Ability to communicate and present, in a clear, precise and rigorous manner, concepts and results related to computational social science activities to both specialized and non-specialized audiences.

Specific Competences:

- Ability to prepare, present and adequately defend in public an original and rigorous Master's Thesis, related to one or some of the subjects of the degree. The defense will be individual.

Learning Outcomes:

After completing the course, the student will be able to carry out a Master's thesis, the final result of which will be a document (report, scientific article, or working document) with the quality standards of a professional analyst. For achieving this goal the student:

- Will come to dominate a specific topic in the field of computational social science
- Will be able to prepare a document with a rigorous theoretical background based on the knowledge

acquired in the Master.

- Will put into practice the knowledge about methodology and computational techniques acquired during the Master
- Will produce and / or use the most appropriate qualitative or quantitative data to address the geopolitical area or phenomenon under study
- Will analyze available data with appropriate research techniques.
- Will write the document in a clear and rigorous manner, from the written, iconographical or visual point of view, so that the results can be communicated effectively.
- Will present and defend orally the results of his/her work before a committee made up of at least one teacher of the Master.

#### DESCRIPTION OF CONTENTS: PROGRAMME

1. Originality and relevance of the research question.
2. Link between the theoretical and empirical part of the research.
3. Originality and theoretical rigor of the hypotheses setting
4. Originality and rigor of the research design
5. Data generation and/or identification and selection of observational data sources.
6. Quality and rigor of the data analysis
7. Clarity and organization of the work
8. The scientific literature consulted
9. Writing of the paper and visual presentation of the results in an effective and rigorous manner.
10. Added value of the conclusions of the work
11. Defend publicly the thesis and answer the questions that are asked.

#### LEARNING ACTIVITIES AND METHODOLOGY

Training Activities:

- Tutorials
- Individual student work

Teaching Methods:

- Developing pieces of work and reports, individually or in group.

#### ASSESSMENT SYSTEM

- Presentation and public defense of the Master's Thesis (100%)

#### BASIC BIBLIOGRAPHY

- Klarita Gërxhani; Nan de Graaf; and Werner Raub Handbook of Sociological Science: Contributions to Rigorous Sociology, Edward Elgar Publishing , 2022
- Bui, Y.N. How to write a master's thesis, Sage Publications, 2013