Masters Thesis

Academic Year: (2023 / 2024) **Review date: 04-05-2023**

Department assigned to the subject: Mathematics Department

Coordinating teacher: CUERNO REJADO, RODOLFO

Type: Master Final Project ECTS Credits : 12.0

Year : 1 Semester : 2

OBJECTIVES

The aim is that students acquire knowledge and skills including:
- Autonomy in the development of a work or research project.
- Ability to review specialized literature on specific topics.
- Mastering of scientific writing.
- Use and implementation of the mathematical and/or computational concepts, techniques, and tools studied in the Master's degree.
- Acquisition of knowledge at the level of the state of art of a specific topic and possible input of innovative or new contributions.
- Fundamentals of the scientific method.

Basic competences: CB6, CB7, CB9, CB10
General competences: CG1, CG2, CG4, CG5, CG6
Specific competences: CE1, CE2, CE3, CE4, CE5, CE6, CE7, CE8, CE9, CE10, CE11, CE12, CE14, CE15, CE16

DESCRIPTION OF CONTENTS: PROGRAMME

1. Implementation of the techniques and knowledge acquired during the master to a specific research problem or challenge.
2. Foundations of the scientific method. Hypothesis formulation and detailed analysis of novel methods.
3. Dissemination of research results.
4. Presentation of results and conclusions.

The Master's Thesis can be either theoretical or practical and should be structured in the parts that are deemed appropriate by the supervisor. It is susceptible to constitute a Ph.D. thesis proposal in order to access the Ph.D. Programme of Departamento de Matemáticas.

LEARNING ACTIVITIES AND METHODOLOGY

AF3 Office hours.
AF4 Group work.
AF5 Individual student work.
AF7 Attendance to scientific seminars.

ASSESSMENT SYSTEM

The Master's Thesis will be evaluated through its public defense in front of a committee composed by Ph.D. members designated by the Master's Director after consultations with the Department to which

the thesis supervisor belongs.

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