



Asignatura: Master Project
Código: 32773
Centro: Facultad de Ciencias
Titulación: Master of Inland Water Quality Assessment
Nivel: Master
Tipo: obligatoria- Mandatory
Nº de créditos: 22 ECTS

ASIGNATURA / **COURSE TITLE**

TRABAJO FIN DE MASTER / **MASTER PROJECT**

1.1. Código / **Course Number**

32773

1.2. Materia / **Content area**

This course is mandatory and is not included in any higher rank area within the master

1.3. Tipo / **Course type**

Compulsory / Master thesis

1.4. Nivel / **Course level**

Master (second cycle)

1.5. Curso / **Year**

1st

1.6. Semestre / **Semester**

Annual 1st and 2nd

1.7. Número de créditos / **Credit allotment**

22 ECTS

1.8. Requisitos previos / **Prerequisites**

To start the project development students need to have all the previous courses passed. Exceptionally, students may have one failed course, although in any case it has to be passed before the defence.



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1.9. Requisitos mínimos de asistencia a las sesiones presenciales / **Minimum attendance requirement**

As the Master Project is an experimental work the students should dedicate full time (40 h /week) to this activity during the course project, including the Library resources course.

1.10. Datos del equipo docente / **Faculty data**

Docente(s) / **Lecturer(s): Antonio Quesada & Elvira Perona**
Departamento de Biología / **Department of Biology**
Facultad de Ciencias/ **Faculty Sciences**
Despacho B-002- Módulo Edificio de Biología / **Office - Module B-010-A/ B-002, Biology Building**
Teléfono / **Phone: +34 91 497 8181 /8175**
Correo electrónico/**Email: Antonio.quesada@uam.es / elvira.perona@uam.es**
Página web/**Website:**<http://www.uam.es/elvira.perona>
Horario de atención al alumnado/**Office hours:** Monday to Friday from 9-17 hours (preferably contact with the teacher previously)

1.11. Objetivos del curso / **Course objectives**

To develop a project (research or management) in which every student will work on inland waters quality. The student should design, develop the project and write a master thesis which will be presented publicly in oral format.

Students will learn to work in a professional way on a project related to Inland Water Quality Assessment

1.12. Contenidos del programa / **Course contents**

1. Library Resources Course: using electronic resources on Inland Water
2. Final Master project, to be developed at any institution in relation to Inland waters on research, management or consultancy
3. Master thesis should follow next scheme:
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- To write a pre-project that will be evaluated by the academic tutor, in which next points will be stated:

- Background
- Objectives
- Time dedication
- Expected results

- To develop and write the Thesis with next points:

- a. Index
- b. Abstract
- c. Abbreviations
- d. Background (Introduction)
- e. Objectives
- f. Methodologies
- g. Results
- h. Discussion
- i. References
- j. Other questions

- To prepare and present an oral communication of the project of no more than 30 min, that will be evaluated by an international committee.

1.13. Referencias de consulta / Course bibliography

Every project will require specific scientific/technical literature that will be searched for and studied by the student.

2. Métodos docentes / Teaching methodology

- Lectures and seminars for Library course and Master Project introductory course
- e-learning activities will be available.

- Master thesis development: This will depend on the academic and technical tutors and will consist on scientific discussions

-The evaluation committee will receive a draft of the written thesis and may suggest modifications or improvements on the project development. The students may include the suggested modifications before submitting the final version of the master Thesis (highly recommended).



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Two calls will be planned for the oral presentations: first call at the end June or beginning July, and a second one in September (according with the course schedule) .

3. Tiempo de trabajo del estudiante / **Student workload**

AMOUNT OF STUDENT WORK MEASURED IN HOURS

Task	Time (h)
Lecture attendance (presential and e-learning)	20
Research (presential)	350
Searching and reading references	50
Report preparation	100
Preparation of the oral exam	25
Exam (presential)	5
Total amount	550

4. Métodos de evaluación y porcentaje en la calificación final / **Evaluation procedures and weight of components in the final grade**

- A pre-project, a short text (of no more than 3 pages) that will be assessed.
- A written Thesis (no more than 60 pages)
- An oral presentation of the project of no more than 30 min which will be evaluated by the committee.

Evaluation

The project will be evaluated in a continuous way by tutors (technical and academic).

There will be an international committee formed by water specialists.



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The evaluation will consider the written Master Thesis (50%), the presentation (20%), the defence (20%) and the assessment by the technical tutors (10%).

The committee and tutors will also consider for the evaluation a written report by the technical and academic tutors about the development of the project at the institution, considering if the student has covered the expected time (based on the 22 ECTS) and their general attitude and learning process (10 % final score)

Any student that participated less than 10% of evaluable activities will be qualified as “unevaluated”.

The student will have two opportunities for presenting the master Project every academic year (June/July and September).

5. Cronograma* / Course calendar

Semana Week	Contenido Contents	Horas presenciales Contact hours	Horas no presenciales Independent study time
1- 2	Library Resources course	10-20	15
3	Master Thesis instruction	4	
4-15 *	Master Thesis develop	40 h /week *	
16	Oral presentation	5	35

Library course will be partially elearning.*Master thesis will have different contact hours per week depending on the project and institutions requirements where will be develop.

Tentative schedule for Master thesis:

- End October. List of Master thesis proposed by technical tutors.
- November. Students send their applications to coordinators
- During November and December, contact period within tutors/students/ coordinators to assign projects.
- January: assignation project list.
- March: pre-project will be upload in Moodle
- Oral presentation at the First or Second call:



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- **First call (June-July):**

- May: Submit the draft of Master Thesis (to evaluate)
- June: tutors and committee will revise drafts and send the suggestions during the period
- End June - Final version of Master Thesis
- Mid July - Final Evaluation of the project in the first call.

- **Extra call: (September)**

- Mid July: Submit the draft version of Master Thesis (to evaluate)
- End July/August: tutors and committee will revise drafts and send the suggestions during the period
- September: Final version of Master Thesis
- Mid September - Final Evaluation of the project in the second call.

Same percentages and requirements will be applied to any call.