



Academic year	2012-13
Subject	11019 - Final Master's Project
Group	Group 1, 2S
Teaching guide	A
Language	English

Subject identification

Subject	11019 - Final Master's Project
Credits	2 in-class (50 hours) 9 distance (225 hours) 11 totals (275 hours).
Group	Group 1, 2S(Campus Extens)
Teaching period	2nd semester
Teaching language	English

Lecturers

Lecturers	Timetable for student attention					
	Starting time	Finishing time	Day	Start date	Finish date	Office
Pere Colet Rafecas	There are no defined sessions					

Degrees where the subject is taught

Degree	Character	Academic year	Studies
Master's Degree in Physics of Complex Systems	Optional		Postgraduate degree

Contextualisation

This is a project that the student carries out in the last part of the Master.

Requirements

Essential requirements

The project has to be carried out under the supervision of one of the professors of the master. The project can be codirected by an external professor if it is approved by the Master Study Council.

Skills

Specific

1. E4: To understand critical and cooperative phenomena from the perspective of cross-disciplinary physics and complex systems..





Generic

1. TG1: To be able to describe, both mathematically and physically, complex systems in different situations.
2. TG2: To acquire the capacity to develop a complete research plan covering from the bibliographic research and strategy to the conclusions..
3. TG3: To write and describe rigorously the research process and present the conclusions to an expert audience..
4. TG4: To acquire the ability to ask questions, read and listen critically and participate actively in seminars and discussions..
5. TG5: To know to disseminate and present the concepts acquired at a non-expert audience.

Content

Theme content

1. Master's project

Project that the student carries out in the last part of the Master under the supervision of a professor.

Teaching methodology

In-class work activities

Modality	Name	Typ.Gr.	Description
ECTS tutorials	Tutorial sessions	Small group (P)	Individual meetings with the advisor of the project to supervise the evolution of the work.
Assessment	Public exposition	Large group (G)	The student must present a written report of the work carried out and the results obtained. Furthermore the student has to defend the project in a public oral presentation. The report and the public defense will be evaluated by a commission appointed by the Master Study Council.

Distance education work activities

Modality	Name	Description
Individual self-study	Individual work	Work carried out by to student to complete the project. It includes search of bibliography, development of the project, obtention of results and development of conclusions.
Individual self-study	Report	Preparation of a written report on the project, including an introduction to the topic, explanation of the methodology, contents of the work, results obtained and conclusions. Preparation of the oral presentation.





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Riscs específics i mesures de protecció

Les activitats d'aprenentatge d'aquesta assignatura no comporten riscos específics per a la seguretat i salut de l'alumnat i, per tant, no cal adoptar mesures de protecció especials.

Workload estimate

Modality	Name	Hours	ECTS	%
In-class work activities		50	2	18.18
ECTS tutorials	Tutorial sessions	49	1.96	17.82
Assessment	Public exposition	1	0.04	0.36
Distance education work activities		225	9	81.82
Individual self-study	Individual work	50	2	18.18
Individual self-study	Report	175	7	63.64
Total		275	11	100

At the beginning of the semester a schedule of the subject will be made available to students through the UIBdigital platform. The schedule shall at least include the dates when the continuing assessment tests will be conducted and the hand-in dates for the assignments. In addition, the lecturer shall inform students as to whether the subject work plan will be carried out through the schedule or through another way included in the Campus Extens platform.

Student learning assessment

Tutorial sessions

Modality	ECTS tutorials
Technique	Observation techniques (Non-recoverable)
Description	Individual meetings with the advisor of the project to supervise the evolution of the work.
Assessment criteria	Capability and initiative of the student to carry out the project.

Percentage of final qualification: 30% following path A





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Public exposition

Modality	Assessment
Technique	Student internship dissertation (Non-recoverable)
Description	The student must present a written report of the work carried out and the results obtained. Furthermore the student has to defend the project in a public oral presentation. The report and the public defense will be evaluated by a commission appointed by the Master Study Council.
Assessment criteria	Content and quality of the presentation.

Percentage of final qualification: 30% following path A

Report

Modality	Individual self-study
Technique	Papers and projects (Non-recoverable)
Description	Preparation of a written report on the project, including an introduction to the topic, explanation of the methodology, contents of the work, results obtained and conclusions. Preparation of the oral presentation.
Assessment criteria	Development of project. Suitability of the methodology. Content of the work carried out. Validity of the results obtained. Relevance of the conclusions. Quality of the written report.

Percentage of final qualification: 40% following path A

Resources, bibliography and additional documentation

Bibliography on the topic of the project will be provided by the supervisor depending on the subject to be addressed. The student may need to look for additional bibliography as part of the learning process.

Basic bibliography

Complementary bibliography

Other resources

The student will be given access to suitable bibliographic sources either on printed form or electronically. Should that be necessary the student will be given access to IFISC computational facilities.

