UAB
Universitat Autònoma de Barcelona

Work Placement

Code: 44536
ECTS Credits: 12

2024/2025

Degree	Type	Year
4313136 Modelling for Science and Engineering	OT	0

Contact

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Teachers

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Teaching groups languages

You can view this information at the end of this
document.

Prerequisites

None.

Objectives and Contextualisation

Students will do the Internship in Companies (public or private) or in Institutions
(Research Centers and / or University Departments). The aim is to introduce the students to the professional
world that they will find in the future, whether they want to take a PhD or to work in a Company. In this way we
hope that they will be able to find out what they want to do once they finish the Master's program.

Competences

- Analyse, synthesise, organise and plan projects in the field of study.
- Apply techniques for solving mathematical models and their real implementation problems.
- Isolate the main difficulty in a complex problem from other, less important issues.
- Recognise the human, economic, legal and ethical dimension in professional practice.
- Safeguard, manage, audit and certify the quality of advanced developments, processes, systems and
  software.
- Solve complex problems by applying the knowledge acquired to areas that are different to the original
  ones.

Learning Outcomes

1. Check that the decisions taken are the most appropriate.
2. Organise and plan the assigned tasks
3. Prioritise the tasks involved in problem-solving
4. Provide specific solutions to the problems posed.
5. Show a positive, active, professional attitude.
6. Solve mathematical models efficiently.

Content

There are no theoretical contents for this module.

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Supervised			
Development of practices	290	11.6	
Work planning	6	0.24	

Students who have taken this module (it is not compulsory, but it is highly recommended), will meet with the Master's Coordinator at the end of October or in November to discuss their preferences regarding particular Companies and/or Institutions. Then, the University will contact the Centres in order to get an authorization for the student to do the Internship. In the Virtual Campus of the module it will appear a real list of Companies and Research Centres which we have already sent students of this Master in past years.

It is necessary to sign an agreement between the University and the Company. This procedure is done with the help of the Science Faculty, because in fact, who really signs the agreement are the Dean of the Faculty of Sciences, the designed person of the Centre and also the student. The document clearly states the name of the tutor appointed by the Company, the Academic tutor in the university, the dates and the working plan. Since the module has 12 ECT's, the total amount of hours is 300.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Assessment

Continous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Report done by the tuthor appointed for the centre	80%	0	0	1, 2, 3, 4, 5, 6
Report written by the student	20%	4	0.16	1, 2, 3, 4, 5, 6

The assessment of this module is made taking into account two items:
The first one is a report done by the tutor appointed by the Company, which consists in filling out a form evaluating certain aspects of the work done by the student. The mentioned form will be available in the Virtual Campus. The designed tutor has to send it to the student or, if he/she prefers, to the Coordinator
The second one is a descriptive report written by the student, explaining what he/she has been doing in the Company/Research Centre. The report should be between 6 and 12 pages. Below an outline for if it is useful to you.
- Personal data
- Dates of your stay in the company.
- Company data. Tutor assigned by the company.
- Explanation of the nature of the company.
- Team work you have worked.
- Make a concrete description, and detailed tasks performed during your stay in
the company.
- Evaluation of the work undertaken with the knowledge and skills acquired in connection
master studies.
- List of problems encountered and the procedure followed to solve them.
- Evaluation of personal work and suggestions.
- Evaluation of personal experience and suggestions.
Both documents have to be delivered to the Virtual Campus of the module before 30th of June.

Bibliography

There are no specific references.

Software

There is no a specific computer program.

Language list

Information on the teaching languages can be checked on the CONTENTS section of the guide.