

Work placement

Code: 100109
ECTS Credits: 12

Degree	Type	Year	Semester
2500149 Mathematics	OT	4	A

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Other comments on languages

English speakers are welcome

Teachers

Josep Gascón Pérez
Antonio Lozano Bagen
Isabel Serra Mochales

Prerequisites

The student must have passed 180 ECTS.

It is advised to have already passed 200 ECTS

Objectives and Contextualisation

This subject wants to get the student closer to the job market, and get orientation towards the development of his/her future career.

He/she will be able to see how his abilities and knowledge can be useful in industry as well as in secondary school teaching.

Competences

- Actively demonstrate high concern for quality when defending or presenting the conclusions of ones work.
- Apply critical spirit and thoroughness to validate or reject both ones own arguments and those of others.
- Develop critical thinking and reasoning and know how to communicate it effectively, both in ones own languages and in a third language.

- Distinguish, when faced with a problem or situation, what is substantial from what is purely chance or circumstantial.
- Effectively use bibliographies and electronic resources to obtain information.
- Formulate hypotheses and devise strategies to confirm or reject them.
- Generate innovative and competitive proposals for research and professional activities.
- Respect the diversity and plurality of ideas, people and situations
- Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
- Use computer applications for statistical analysis, numeric and symbolic calculus, graphic display, optimisation or other purposes to experiment with Mathematics and solve problems.
- When faced with real situations of a medium level of complexity, request and analyse relevant data and information, propose and validate models using the adequate mathematical tools in order to draw final conclusions
- Work in teams.

Learning Outcomes

1. Actively demonstrate high concern for quality when defending or presenting the conclusions of ones work.
2. Apply critical spirit and thoroughness to validate or reject both ones own arguments and those of others.
3. Contrast acquired theoretical and practical knowledge.
4. Develop critical thinking and reasoning and know how to communicate it effectively, both in ones own languages and in a third language.
5. Do work that tests ones critical and reflexive capacity and encourages decision-making.
6. Effectively use bibliographies and electronic resources to obtain information.
7. Generate innovative and competitive proposals for research and professional activities.
8. Know about professional life.
9. Respect the diversity and plurality of ideas, people and situations
10. Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
11. Work in interdisciplinary teams.
12. Work in teams

Content

Steps to follow the subject:

1. Orientation interview with the academic tutor. CV writting..... 2 hours
2. Planification: job search, job interview, organization..... 10 hours
3. Work at the company 250 hours
4. Report preparation 30 hours
5. Preparation of the public exposition of the work done 6 hours
6. Public exposition and attendance to others expositions..... 2 hours

Methodology

The adequated to this kind of subject.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			

Interview with academic tutor. Planification	12	0.48
Type: Supervised		
Work at the company	250	10
Type: Autonomous		
Preparation public exposition	6	0.24
Public exposition	1	0.04
Report preparation	30	1.2

Assessment

Evaluation criteria are

- Evaluation from the company tutor (70%)
- Report presented by the student on the activities (20 %)
- Public defence of the report (10%)

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Public exposition	10%	0.25	0.01	2, 3, 8, 1, 4, 7, 6
Report	20%	0.25	0.01	3, 8
Work at the company	70%	0.5	0.02	2, 3, 8, 4, 7, 10, 5, 9, 12, 11, 6

Bibliography

No specific bibliography is needed