

**COURSE DATA****Data Subject**

<b>Code</b>	35009
<b>Name</b>	External internships
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	9.0
<b>Academic year</b>	2023 - 2024

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. Period year</b>
1107 - Degree in Mathematics	Faculty of Mathematics	4 Annual

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1107 - Degree in Mathematics	21 - External internship	External Practice

**Coordination**

<b>Name</b>	<b>Department</b>
CORBERAN VALLET, ANA	130 - Statistics and Operational Research

**SUMMARY**

The External Practices, an elective subject, constitute a touchdown with the workplace. Its location, in the fourth year of the degree, and the requirement to have passed 180 credits, or ensure that the student has acquired the minimum competencies for their professional activity. They are performed under the supervision and guidance of a lecturer of the Faculty of Mathematics, and a specialist in the field of space offered.

Consisting of a stay in a company or institution, for conducting academic content related to the Degree in Mathematics activities. Thus, the External Practices allow the students to implement and complement the knowledge gained, preparing them for professional activities in business environments or research accustoming them to teamwork and providing a minimum experience that facilitates their employability.



## PREVIOUS KNOWLEDGE

### Relationship to other subjects of the same degree

#### 1107 - Degree in Mathematics :

R4-OBLIGATION TO HAVE SUCCESSFULLY COMPLETED THE COURSE

- 34148 - Basic mathematics
- 34149 - Discrete mathematics
- 34150 - Lineal algebra and geometry I
- 34151 - Mathematical analysis I
- 34152 - Basic statistics
- 34153 - Physics
- 34154 - Mathematical programming
- 34155 - Lineal algebra and geometry II
- 34156 - Mathematical analysis II
- 34159 - Informatics
- 34160 - Computational tools
- 34161 - Numerical methods for lineal algebra
- 34164 - Topology
- 34168 - Algebraic structures
- 34170 - Ordinary differential equations

### Other requirements

To register in the module External Practices, the student must have passed 180 credits between compulsory and optional subjects of the Degree.

## OUTCOMES

#### 1107 - Degree in Mathematics

- Capacity for organization and planning.
- Capacity for criticism.
- Solve problems that require the use of mathematical tools.
- Ability to work in teams.
- Adapting to new situations.



- Apply the knowledge in the professional world.
- Argue logically in decision-making.
- Capacity of abstraction and modeling.
- Participate in the implementation of software and learn mathematical software.
- Knowing the time and the historical context in which occurred the great contributions of women and men in the development of mathematics.
- Visualize and interpret the solutions obtained.

## LEARNING OUTCOMES

- Knowing the professional life.
- Apply the knowledge learnt during the degree
- Promote decision making, and the ability of analysis and synthesis.
- To handle with team work.
- Adapt to new situations.
- To be able of communicate both in writing and orally reports and work results.
- Knowing how to spread mathematical knowledge and results in multidisciplinary contexts.

## DESCRIPTION OF CONTENTS

### 1. External practices



## WORKLOAD

ACTIVITY	Hours	% To be attended
Internship		100
Development of individual work	22,50	0
Internship	180,00	0
<b>TOTAL</b>	<b>202,50</b>	

## TEACHING METHODOLOGY

English version is not available

## EVALUATION

English version is not available

## REFERENCES

### Basic

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Referència b1: Guía de prácticas del estudiante de Matemáticas