

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

<b>Code</b>	35008
<b>Name</b>	Degree Final project
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	12.0
<b>Academic year</b>	2024 - 2025

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. year</b>	<b>Period</b>
1107 - Degree in Mathematics	Faculty of Mathematics	4	Annual
1928 - Double Degree Program Physics-Mathematics	Double Degree Program Physics and Mathematics	5	Annual

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1107 - Degree in Mathematics	14 - Degree Final project in Mathematics	End Labour Studies

**Coordination**

<b>Name</b>	<b>Department</b>
FERNANDEZ ROSELL, MARIA CARMEN	15 - Mathematical Analysis
MONTERDE GARCIA-POZUELO, JUAN LUIS	205 - Geometry and Topology

**SUMMARY**

It is the elaboration by the student of a work under the guidance of a tutor, within the various subjects offered by the departments with teaching in the degree in mathematics, which is intended to encourage the students to integrate the teachings received during the graduate studies and to demonstrate the knowledge and skills they have acquired and given in the verified curriculum.



## 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
- 34157 - Mathematical analysis III
- 34159 - Informatics
- 34160 - Computational tools
- 34161 - Numerical methods for lineal algebra
- 34162 - Numeric approximation
- 34164 - Topology
- 34165 - Classical differential geometrics
- 34166 - Probability
- 34167 - Mathematic statistics
- 34168 - Algebraic structures
- 34169 - Algebraic equations
- 34170 - Ordinary differential equations
- 34171 - Partial differential equations
- 34172 - Mathematic modelling

### Other requirements

The enrollment restrictions are specified in the verification document of the degree in mathematics of the University of Valencia.

The student can enroll the thesis degree provided they enroll at the same time all the credits that detract to complete the degree (including the own Thesis Degree) and may request submission and defense when you subtract to approve less than 12 credits (except for the 12 Thesis Degree itself)



## COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

### 1107 - Degree in Mathematics

- Capacity for analysis and synthesis.
- Capacity for organization and planning.
- Capacity for criticism.
- Solve problems that require the use of mathematical tools.
- Ability to work in teams.
- Learn autonomously.
- Adapting to new situations.
- Possess and understand the mathematical knowledge.
- Expressing mathematically in a rigorous and clear manner.
- Capacity of abstraction and modeling.
- Knowing the time and the historical context in which occurred the great contributions of women and men in the development of mathematics.

## LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

- Communicate mathematical results, both orally and in writing.
- Properly structured mathematical knowledge.
- Relate new mathematical concepts with other already studied independently.
- Ability to analyze and synthesise.
- Organize and plan the work. Find and use math specific bibliography.

## DESCRIPTION OF CONTENTS

### 1. Degree Thesis

The development of the subject will consist of the performance by the student of a work, the contents of which shall conform to that specified in the regulations to degree thesis of the University of Valencia, in particular in Article 4 paragraph 3.



## WORKLOAD

ACTIVITY	Hours	% To be attended
Graduation project		100
Development of a final project	300,00	0
<b>TOTAL</b>	<b>300,00</b>	

## TEACHING METHODOLOGY

- The degree thesis has to be individually prepared by the student under the guidance of a tutor who set the guidelines for further study and elaboration.
- The student must submit with the application and evaluation of the TFG defense, the electronic version, in pdf format, the work done, which will be used by the members of the tribunal for the purposes of evaluation.
- The intellectual property rights apply to the student who has done the work and the tutor.
- For the preparation of the report and the presentation will be taken of elaborades instructions for committing Final Project Grade Math.

## EVALUATION

The final degree work will be evaluated by a court through public oral presentation by the student.

The numerical rating assigned will be between 0 and 10 and the court may make references for qualifying honors.

## REFERENCES

### Basic

- Reglament del Treball de Fí de Grau de la Universitat de València.
- Instruccions per a l'elaboració del Treball de Fí de Grau per al Grau de Matemàtiques.