



## MATHEMATICS II

### 22005 - MATHEMATICS II (2024-25)

#### General

**Code:** 22005

**Lecturer responsible:**

PERIS FERRANDO, JOSEP ENRIC

**Credits ECTS:**

**6,00**

Theoretical credits:

1,20

Practical credits:

1,20

Distance-base hours:

3,60

#### Departments involved

- **Dept:** FOUNDATIONS OF ECONOMIC ANALYSIS

**Area:** FOUNDATIONS OF ECONOMIC ANALYSIS

**Theoretical credits:** 1,2

**Practical credits:** 1,2

This Dept. is responsible for the course.

This Dept. is responsible for the final mark record.

#### Study programmes where this course is taught

- [DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION AND MANAGEMENT](#)  
Course type: CORE (Year: 1)
- [DOUBLE DEGREE IN LAW + ADE \(DADE\)](#)  
Course type: CORE (Year: 1)
- [DOUBLE DEGREE IN COMPUTER ENGINEERING AND BUSINESS ADMINISTRATION](#)  
Course type: CORE (Year: 2)
- [DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT](#)  
Course type: CORE (Year: 1)

#### Competencies and objectives

##### Course context for academic year 2024-25

It is the second mathematics subject scheduled for the first course. As a continuation of Mathematics I, taken in the first term, it presents Calculus tools, now with functions of several variables. The core of the subject contains optimization techniques applied to economic and business problems.

## Course content (verified by ANECA in official undergraduate and Master's degrees) for academic year {0}

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### General Competences (CG)

- **CG2** : Capacitat de treballar en equip.
- **CG3** : Capacitat d'aprenentatge autònom.
- **CG4** : Aplicar a l'anàlisi dels problemes criteris professionals basats en la utilització d'instruments tècnics.
- **CG5** : Capacitat per a la presa de decisions aplicant els coneixements a la pràctica.
- **CG6** : Derivar de les dades informació rellevant impossible de reconèixer per no professionals.
- **CG8** : Analitzar els problemes amb raonament crític, sense prejudicis, amb precisió i rigor.
- **CG9** : Capacitat de síntesi.

### General Competences acquired at University of Alicante (CGUA)

- **CGUA1** : Llegir i comunicar-se en l'àmbit professional en un idioma estranger, especialment en anglès.
- **CGUA2** : Usar habitualment les eines informàtiques, així com la tecnologia de la informació i les comunicacions en tot el seu exercici professional.
- **CGUA3** : Capacitat de comunicació oral i escrita.

### Specific Competences (CE)

- **CE11** : Conèixer les eines d'anàlisi estratègica més habituals en l'anàlisi de l'empresa i el seu entorn.
- **CE12** : Conèixer i aplicar diversos instruments tècnics d'anàlisi econòmica per a l'estudi de l'empresa i el seu entorn.
- **CE2** : Integrar-se en qualsevol àrea funcional d'una empresa o organització petita, mitjana o gran, i exercir amb desimboltura qualsevol tasca de gestió hi tinga encomanada.
- **CE3** : Valorar a partir dels registres rellevants d'informació la situació i previsible evolució d'una empresa.
- **CE6** : Entendre les institucions econòmiques com a resultat i aplicació de representacions teòriques o formals sobre com funciona l'economia.
- **CE7** : Ser capaç d'aplicar diversos instruments tècnics de màrqueting i investigació comercial a l'anàlisi de l'empresa en el seu entorn.
- **CE8** : A partir dels estats comptables, analitzar una empresa en el seu entorn usant diversos instruments tècnics.

### Exclusive skill taught in this course

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No data

### Learning outcomes (Training objectives)

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No data

## Specific objectives stated by the academic staff for academic year 2024-25

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After completing this course, students should have developed a clear understanding of the use of mathematical techniques to solve optimization problems that arise in Economics and Business.

## Content for academic year 2024-25

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### **Chapter 1: Introduction**

1.1 Objective: Decision-making in the business environment (optimization)

1.2 Constraints: technical, legal, ... conditions to be met by the solution

1.3 An inventory of examples

### **Chapter 2: Preliminaries**

2.1 Some concepts about vectors

Operations with vectors

Norm, distance, and angle between vectors

Planes in three-dimensional space

2.2 Quadratic forms

Definition. Sign of a quadratic form

Classification of quadratic forms

Constrained quadratic forms

2.3 Some Topology Concepts

Balls in the plane (circles), and in the space (spheres).

Interior point, exterior point, boundary. Graphical examples in the plane

Open and closed sets

Bounded set

Compact set

2.4 Functions of Several Variables

Domain

Graphs. Level curves

Continuity: Intuitive idea and properties

First-order partial derivatives. Gradient vector

Tangent plane

Directional derivative

Gradient and tangent to the level curve

Higher order partial derivatives. Hessian matrix

Taylor expansion (2nd order)

### **Chapter 3: Optimization**

3.1 The Weierstrass Theorem

Local and global optimums

Weierstrass Theorem

3.2 Level curves: Graphically Obtained Optimums

3.3 First-order necessary condition

Necessary condition for local optimums

Stationary points

Saddle points

3.4 Second order sufficient condition

Sufficient Condition for local Maximum/Minimum

## Chapter 4: Optimization with Constraints

### 4.1 Introduction

Possibility Set (Feasible Set)

Types of constraints

- Equality
- Inequality
- Non-negativity
- Integer Programming

### 4.2 Equality Constraints

Lagrangian of the problem

First-order necessary condition

Second-order sufficient condition

### 4.2 Inequality Constraints

Interior solutions

Boundary solutions

## Chapter 5: Linear Programming

### 5.1 The standard problem and its dual

### 5.2 The duality theorem

### 5.3 Optimums at extremes: graphical solution

### 5.4 Solving with a computer: the simplex algorithm (intuitive idea)

### 5.5 Discrete variables: integer linear programming

## Chapter 6: Specific problems

### 6.1 Transportation problem

### 6.2 Allocation problem

### 6.3 Maximum flow problem

### 6.4 Minimum Cost Spanning Tree Problem

### 6.5 Optimal Distribution Center Location Problem

### 6.6 Other Linear Programming Problems

## Related links

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No data

## Bibliography

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### Matemáticas para el análisis económico

**Author(s):** Sydsaeter, Knut ; Carvajal, Andrés ; Hammond, Peter J.

**Issue:** Madrid : Pearson-Prentice Hall, 2012;

**ISBN:** 978-84-8322-315-4

**Category:** Complementario

## Assessment

### Assessment procedures and criteria 2024-25

#### FINAL GRADE ORDINARY CALL (C3)

To pass the subject, it will be necessary to have a grade equal to or greater than 5, making the average between the continuous evaluation and the final exam. To be able to do the average, in the final exam it will be necessary to have at least 4. If the grade in the final exam does not reach 4, the grade will be the final exam.

#### FINAL GRADE EXTRAORDINARY CALL (C4)

In the extraordinary call, 100% of the subject can be recovered through a single exam of the entire syllabus. To pass the subject it will be necessary to have a grade equal to or greater than 5.

Description	Criteria	Type	Weighting system
Continuous Assessment Activities	During the course, continuous assessment activities will be carried out that will represent 50% of the mark in the call (C3), if in the final exam the mark is greater than or equal to 4.	ACTIVITIES OF EVALUATION DURING THE SEMESTER	50
FINAL EXAM (THEORY AND PRACTICE)	A final exam of the whole subject will be done on the dates set by the center. In the call (C3) it will be necessary to have at least a grade of 4 in this exam to be able to pass the subject. In the call (C4) the mark corresponds to that of the exam.	FINAL TEST	50

### Official exam dates for academic year 2024-25

Exam session	Date	Time	Group - Classroom(s) allocated	Comments
(C1) Pruebas extraordinarias de finalización de estudios	30/09/2024			
(C3) Periodo ordinario para asignaturas de segundo semestre y anuales	10/06/2025			
(C4) Pruebas extraordinarias para asignaturas de grado y máster	10/07/2025			

## Academic staff



### **PERIS FERRANDO, JOSEP ENRIC**

Lecturer responsible

THEORY CLASS: Groups: 88

PROBLEM PRACTICALS / WORKSHOP: Groups: 88

COMPUTER PRACTICALS: Groups: 88



### **ALCALDE PEREZ, JOSE**

THEORY CLASS: Groups: 5 , 7

PROBLEM PRACTICALS / WORKSHOP: Groups: 5 , 7

COMPUTER PRACTICALS: Groups: 5 , 7



### **ALEMANY GARCIA, MARIA ISABEL**

THEORY CLASS: Groups: 30

PROBLEM PRACTICALS / WORKSHOP: Groups: 30

COMPUTER PRACTICALS: Groups: 30



### **GIL POVEDA, MANUEL**

THEORY CLASS: Groups: 52

PROBLEM PRACTICALS / WORKSHOP: Groups: 52

COMPUTER PRACTICALS: Groups: 52



### **MASOUDNIA ., MOHAMMADREZA**

THEORY CLASS: Groups: 77

PROBLEM PRACTICALS / WORKSHOP: Groups: 77

COMPUTER PRACTICALS: Groups: 77



### **MIRA REIG, MARIA MERCEDES**

THEORY CLASS: Groups: 2 , 8

PROBLEM PRACTICALS / WORKSHOP: Groups: 2 , 8

COMPUTER PRACTICALS: Groups: 2 , 8

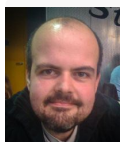


### **MOLTO PAYA, MANUEL**

THEORY CLASS: Groups: 3 , 20 , 51

PROBLEM PRACTICALS / WORKSHOP: Groups: 3 , 20 , 51

COMPUTER PRACTICALS: Groups: 3 , 20 , 51



### **MORALES BENAVENTE, JOSE LUIS**

THEORY CLASS: Groups: 1

PROBLEM PRACTICALS / WORKSHOP: Groups: 1

COMPUTER PRACTICALS: Groups: 1



**PONTI, GIOVANNI**

THEORY CLASS: Groups: 4 , 40

PROBLEM PRACTICALS / WORKSHOP: Groups: 4 , 40

COMPUTER PRACTICALS: Groups: 4 , 40



**SERRANO MARTI, JEAN MARC**

THEORY CLASS: Groups: 6

PROBLEM PRACTICALS / WORKSHOP: Groups: 6

COMPUTER PRACTICALS: Groups: 6



## Groups

### THEORY CLASS

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. TMP-ADE (THEORY CLASS) : PROVISIONAL GROUP TO FINISH REGISTRATION	2S	All day	Spanish	0	<ul style="list-style-type: none"> <li>Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> </ul>
Gr. TMP-TADE (THEORY CLASS) : GRUPO PROVISIONAL PARA FINALIZAR MATRÍCULA	2S	All day	Spanish	0	<ul style="list-style-type: none"> <li>Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION</li> </ul>
Gr. 1 (THEORY CLASS) : 1	2S	Morning	Spanish	61	<ul style="list-style-type: none"> <li>Allowed VISITING STUDENT NO EEES</li> <li>Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>Allowed VISITING STUDENT EEES</li> </ul>
Gr. 2 (THEORY CLASS) : 2	2S	Afternoon	Spanish	68	<ul style="list-style-type: none"> <li>Allowed VISITING STUDENT EEES</li> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>Allowed VISITING STUDENT NO EEES</li> <li>Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> </ul>
Gr. 20 (THEORY CLASS) : 20 TADE	2S	Morning	Spanish	65	<ul style="list-style-type: none"> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>Allowed VISITING STUDENT EEES</li> <li>Allowed VISITING STUDENT NO EEES</li> <li>Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION</li> </ul>
Gr. 3 (THEORY CLASS) : 3	2S	Morning	Spanish	65	<ul style="list-style-type: none"> <li>Allowed VISITING STUDENT NO EEES</li> <li>Allowed VISITING STUDENT EEES</li> <li>Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 30 (THEORY CLASS) : 30 TADE	2S	Afternoon	Spanish	70	<ul style="list-style-type: none"> <li>Allowed VISITING STUDENT EEES</li> <li>Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION</li> <li>Allowed VISITING STUDENT NO EEES</li> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 4 (THEORY CLASS) : 4	2S	Afternoon	Spanish	66	<ul style="list-style-type: none"> <li>Allowed VISITING STUDENT NO EEES</li> <li>Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>Allowed VISITING STUDENT EEES</li> </ul>

<b>Group</b>	<b>Semester</b>	<b>Morning or afternoon session</b>	<b>Language</b>	<b>No. of enrolled students</b>	
Gr. 40 (THEORY CLASS) : 40 I2ADE	2S	Morning	Spanish	24	<ul style="list-style-type: none"> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed DOUBLE DEGREE IN COMPUTER ENGINEERING AND BUSINESS ADMINISTRATION</li> <li>▪ Allowed VISITING STUDENT EEES</li> </ul>
Gr. 5 (THEORY CLASS) : 5	2S	Morning	Spanish	55	<ul style="list-style-type: none"> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> </ul>
Gr. 51 (THEORY CLASS) : GROUP 51 DADE	2S	Morning	Spanish	88	<ul style="list-style-type: none"> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed DOUBLE DEGREE IN LAW + ADE (DADE)</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed VISITING STUDENT EEES</li> </ul>
Gr. 52 (THEORY CLASS) : GROUP 52 DADE	2S	Afternoon	Spanish	73	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed DOUBLE DEGREE IN LAW + ADE (DADE)</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 6 (THEORY CLASS) : 6	2S	Afternoon	Spanish	71	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed VISITING STUDENT EEES</li> </ul>
Gr. 7 (THEORY CLASS) : 7	2S	Morning	Spanish	54	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 77 (THEORY CLASS) : 77 (ARA)	2S	Morning	English	52	<ul style="list-style-type: none"> <li>▪ Not allowed DOUBLE DEGREE IN LAW + ADE (DADE)</li> </ul>
Gr. 8 (THEORY CLASS) : 8	2S	Afternoon	Spanish	70	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> </ul>

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. 88 (THEORY CLASS) : 88 VALENCIANO	2S	Morning	Valencian	8	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT NO EES</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed VISITING STUDENT EES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>

## PROBLEM PRACTICALS / WORKSHOP

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. TMP-ADE (PROBLEM PRACTICALS / WORKSHOP) : PROVISIONAL GROUP TO FINISH REGISTRATION	2S	All day	Spanish	0	<ul style="list-style-type: none"> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> </ul>
Gr. TMP-TADE (PROBLEM PRACTICALS / WORKSHOP) : GRUPO PROVISIONAL PARA FINALIZAR MATRÍCULA	2S	All day	Spanish	0	<ul style="list-style-type: none"> <li>▪ Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION</li> </ul>
Gr. 1 (PROBLEM PRACTICALS / WORKSHOP) : 1	2S	Morning	Spanish	61	<ul style="list-style-type: none"> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed VISITING STUDENT EES</li> <li>▪ Allowed VISITING STUDENT NO EES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 2 (PROBLEM PRACTICALS / WORKSHOP) : 2	2S	Afternoon	Spanish	68	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT NO EES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed VISITING STUDENT EES</li> </ul>
Gr. 20 (PROBLEM PRACTICALS / WORKSHOP) : 20 TADE	2S	Morning	Spanish	65	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT NO EES</li> <li>▪ Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed VISITING STUDENT EES</li> </ul>
Gr. 3 (PROBLEM PRACTICALS / WORKSHOP) : 3	2S	Morning	Spanish	65	<ul style="list-style-type: none"> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed VISITING STUDENT NO EES</li> <li>▪ Allowed VISITING STUDENT EES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. 30 (PROBLEM PRACTICALS / WORKSHOP) : 30 TADE	2S	Afternoon	Spanish	70	<ul style="list-style-type: none"> <li>■ Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION</li> <li>■ Allowed VISITING STUDENT EEEES</li> <li>■ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>■ Allowed VISITING STUDENT NO EEEES</li> </ul>
Gr. 4 (PROBLEM PRACTICALS / WORKSHOP) : 4	2S	Afternoon	Spanish	66	<ul style="list-style-type: none"> <li>■ Allowed VISITING STUDENT EEEES</li> <li>■ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>■ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>■ Allowed VISITING STUDENT NO EEEES</li> </ul>
Gr. 40 (PROBLEM PRACTICALS / WORKSHOP) : 40 I2ADE	2S	Morning	Spanish	24	<ul style="list-style-type: none"> <li>■ Allowed DOUBLE DEGREE IN COMPUTER ENGINEERING AND BUSINESS ADMINISTRATION</li> <li>■ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>■ Allowed VISITING STUDENT EEEES</li> <li>■ Allowed VISITING STUDENT NO EEEES</li> </ul>
Gr. 5 (PROBLEM PRACTICALS / WORKSHOP) : 5	2S	Morning	Spanish	55	<ul style="list-style-type: none"> <li>■ Allowed VISITING STUDENT NO EEEES</li> <li>■ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>■ Allowed VISITING STUDENT EEEES</li> <li>■ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 51 (PROBLEM PRACTICALS / WORKSHOP) : GROUP 51 DADE	2S	Morning	Spanish	88	<ul style="list-style-type: none"> <li>■ Allowed VISITING STUDENT EEEES</li> <li>■ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>■ Allowed VISITING STUDENT NO EEEES</li> <li>■ Allowed DOUBLE DEGREE IN LAW + ADE (DADE)</li> </ul>
Gr. 52 (PROBLEM PRACTICALS / WORKSHOP) : GROUP 52 DADE	2S	Afternoon	Spanish	73	<ul style="list-style-type: none"> <li>■ Allowed DOUBLE DEGREE IN LAW + ADE (DADE)</li> <li>■ Allowed VISITING STUDENT NO EEEES</li> <li>■ Allowed VISITING STUDENT EEEES</li> <li>■ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 6 (PROBLEM PRACTICALS / WORKSHOP) : 6	2S	Afternoon	Spanish	71	<ul style="list-style-type: none"> <li>■ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>■ Allowed VISITING STUDENT EEEES</li> <li>■ Allowed VISITING STUDENT NO EEEES</li> <li>■ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 7 (PROBLEM PRACTICALS / WORKSHOP) : 7	2S	Morning	Spanish	54	<ul style="list-style-type: none"> <li>■ Allowed VISITING STUDENT NO EEEES</li> <li>■ Allowed VISITING STUDENT EEEES</li> <li>■ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>■ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> </ul>

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. 77 (PROBLEM PRACTICALS / WORKSHOP) : 77 (ARA)	2S	Morning	English	52	<ul style="list-style-type: none"> <li>Not allowed DOUBLE DEGREE IN LAW + ADE (DADE)</li> </ul>
Gr. 8 (PROBLEM PRACTICALS / WORKSHOP) : 8	2S	Afternoon	Spanish	70	<ul style="list-style-type: none"> <li>Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>Allowed VISITING STUDENT NO EEES</li> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>Allowed VISITING STUDENT EEES</li> </ul>
Gr. 88 (PROBLEM PRACTICALS / WORKSHOP) : 88 VALENCIANO	2S	Morning	Valencian	8	<ul style="list-style-type: none"> <li>Allowed VISITING STUDENT NO EEES</li> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>Allowed VISITING STUDENT EEES</li> <li>Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> </ul>

## COMPUTER PRACTICALS















Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. TMP-ADE (COMPUTER PRACTICALS) : PROVISIONAL GROUP TO FINISH REGISTRATION	2S	All day	Spanish	0	<ul style="list-style-type: none"> <li>Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> </ul>
Gr. TMP-TADE (COMPUTER PRACTICALS) : GRUPO PROVISIONAL PARA FINALIZAR MATRÍCULA	2S	All day	Spanish	0	<ul style="list-style-type: none"> <li>Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION</li> </ul>
Gr. 1 (COMPUTER PRACTICALS) : 1	2S	Morning	Spanish	61	<ul style="list-style-type: none"> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>Allowed VISITING STUDENT NO EEES</li> <li>Allowed VISITING STUDENT EEES</li> <li>Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> </ul>
Gr. 2 (COMPUTER PRACTICALS) : 2	2S	Afternoon	Spanish	68	<ul style="list-style-type: none"> <li>Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>Allowed VISITING STUDENT NO EEES</li> <li>Allowed VISITING STUDENT EEES</li> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 20 (COMPUTER PRACTICALS) : 20 TADE	2S	Morning	Spanish	65	<ul style="list-style-type: none"> <li>Allowed VISITING STUDENT EEES</li> <li>Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION</li> <li>Allowed VISITING STUDENT NO EEES</li> </ul>

Group	Semester	Morning or afternoon session	Language	No. of enrolled students	
Gr. 3 (COMPUTER PRACTICALS) : 3	2S	Morning	Spanish	65	<ul style="list-style-type: none"> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed VISITING STUDENT EEES</li> </ul>
Gr. 30 (COMPUTER PRACTICALS) : 30 TADE	2S	Afternoon	Spanish	70	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed DOUBLE DEGREE IN TOURISM AND BUSINESS ADMINISTRATION</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 4 (COMPUTER PRACTICALS) : 4	2S	Afternoon	Spanish	66	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 40 (COMPUTER PRACTICALS) : 40 I2ADE	2S	Morning	Spanish	24	<ul style="list-style-type: none"> <li>▪ Allowed DOUBLE DEGREE IN COMPUTER ENGINEERING AND BUSINESS ADMINISTRATION</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> </ul>
Gr. 5 (COMPUTER PRACTICALS) : 5	2S	Morning	Spanish	55	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> </ul>
Gr. 51 (COMPUTER PRACTICALS) : GROUP 51 DADE	2S	Morning	Spanish	88	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed DOUBLE DEGREE IN LAW + ADE (DADE)</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> </ul>
Gr. 52 (COMPUTER PRACTICALS) : GROUP 52 DADE	2S	Afternoon	Spanish	73	<ul style="list-style-type: none"> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed DOUBLE DEGREE IN LAW + ADE (DADE)</li> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> </ul>
Gr. 6 (COMPUTER PRACTICALS) : 6	2S	Afternoon	Spanish	71	<ul style="list-style-type: none"> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> </ul>



<b>Group</b>	<b>Semester</b>	<b>Morning or afternoon session</b>	<b>Language</b>	<b>No. of enrolled students</b>	
Gr. 7 (COMPUTER PRACTICALS) : 7	2S	Morning	Spanish	54	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> </ul>
Gr. 77 (COMPUTER PRACTICALS) : 77 (ARA)	2S	Morning	English	52	<ul style="list-style-type: none"> <li>▪ Not allowed DOUBLE DEGREE IN LAW + ADE (DADE)</li> </ul>
Gr. 8 (COMPUTER PRACTICALS) : 8	2S	Afternoon	Spanish	70	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT EEES</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed VISITING STUDENT NO EEES</li> </ul>
Gr. 88 (COMPUTER PRACTICALS) : 88 VALENCIANO	2S	Morning	Valencian	8	<ul style="list-style-type: none"> <li>▪ Allowed VISITING STUDENT NO EEES</li> <li>▪ Allowed INTERNATIONAL MOBILITY PROGRAMME</li> <li>▪ Allowed DEGREE IN BUSINESS ADMINISTRATION AND MANAGEMENT</li> <li>▪ Allowed VISITING STUDENT EEES</li> </ul>

## Timetables












### THEORY CLASS

Group	Start date	End date	Day	Start time	End time	Lecture room
1	27/01/2025	23/05/2025	MAR	09:00	11:00	<a href="#">A1/0-18X</a> 
2	27/01/2025	23/05/2025	MIE	17:00	19:00	<a href="#">A1/0-02M</a> 
20	27/01/2025	23/05/2025	MIE	11:00	13:00	<a href="#">A1/1-36X</a> 
3	27/01/2025	23/05/2025	MAR	09:00	11:00	<a href="#">A1/0-19X</a> 
30	27/01/2025	23/05/2025	MAR	15:30	17:30	<a href="#">A1/0-24G</a> 
4	27/01/2025	23/05/2025	MAR	17:00	19:00	<a href="#">A1/0-04G</a> 
40	27/01/2025	23/05/2025	MAR	11:00	13:00	<a href="#">A2/E01</a> 
5	27/01/2025	23/05/2025	MIE	09:00	11:00	<a href="#">A1/1-37X</a> 
51	27/01/2025	23/05/2025	LUN	09:00	11:00	<a href="#">DE/0-08G</a> 
52	27/01/2025	23/05/2025	MAR	17:00	19:00	<a href="#">DE/1-10M</a> 
6	27/01/2025	23/05/2025	MAR	19:00	21:00	<a href="#">A1/0-05G</a> 
7	27/01/2025	23/05/2025	MIE	11:00	13:00	<a href="#">A1/0-01G</a> 
77	27/01/2025	23/05/2025	VIE	11:00	13:00	<a href="#">A1/0-02M</a> 
8	27/01/2025	23/05/2025	MIE	19:00	21:00	<a href="#">A1/1-59M</a> 
88	27/01/2025	23/05/2025	MIE	09:00	11:00	<a href="#">A1/0-14S</a> 







### PROBLEM PRACTICALS / WORKSHOP









Group	Start date	End date	Day	Start time	End time	Lecture room
1	27/01/2025	09/05/2025	MIE	09:00	11:00	<a href="#">A1/0-18X</a> 
2	27/01/2025	09/05/2025	VIE	15:00	17:00	<a href="#">A1/0-02M</a> 



Group	Start date	End date	Day	Start time	End time	Lecture room
20	27/01/2025	09/05/2025	VIE	11:00	13:00	<a href="#">A1/1-36X</a> 
3	27/01/2025	09/05/2025	MIE	13:00	15:00	<a href="#">A1/0-19X</a> 
30	27/01/2025	09/05/2025	VIE	17:00	19:00	<a href="#">A1/0-24G</a> 
4	27/01/2025	09/05/2025	MIE	17:00	19:00	<a href="#">A1/0-04G</a> 
40	27/01/2025	09/05/2025	MIE	11:00	13:00	<a href="#">A2/E01</a> 
5	27/01/2025	09/05/2025	JUE	11:00	13:00	<a href="#">A1/1-37X</a> 
51	27/01/2025	09/05/2025	VIE	09:00	11:00	<a href="#">DE/0-08G</a> 
52	27/01/2025	09/05/2025	MIE	19:00	21:00	<a href="#">DE/1-10M</a> 
6	27/01/2025	09/05/2025	VIE	17:00	19:00	<a href="#">A1/0-05G</a> 
7	27/01/2025	09/05/2025	JUE	09:00	11:00	<a href="#">A1/0-01G</a> 
77	27/01/2025	09/05/2025	JUE	09:00	11:00	<a href="#">A1/0-02M</a> 
8	27/01/2025	09/05/2025	VIE	17:00	19:00	<a href="#">A1/1-59M</a> 
88	27/01/2025	09/05/2025	MAR	09:00	11:00	<a href="#">A1/0-14S</a> 

## COMPUTER PRACTICALS

Group	Start date	End date	Day	Start time	End time	Lecture room
1	12/05/2025	23/05/2025	MIE	09:00	11:00	<a href="#">A1/0-18X</a> 
2	12/05/2025	23/05/2025	VIE	15:00	17:00	<a href="#">A1/0-02M</a> 
20	12/05/2025	23/05/2025	VIE	11:00	13:00	<a href="#">A1/1-36X</a> 
3	12/05/2025	23/05/2025	MIE	13:00	15:00	<a href="#">A1/0-19X</a> 
30	12/05/2025	23/05/2025	VIE	17:00	19:00	<a href="#">A1/0-24G</a> 
4	12/05/2025	23/05/2025	MIE	17:00	19:00	<a href="#">A1/0-04G</a> 

Group	Start date	End date	Day	Start time	End time	Lecture room
40	12/05/2025	23/05/2025	MIE	11:00	13:00	A2/E01 
5	12/05/2025	23/05/2025	JUE	11:00	13:00	A1/1-37X 
51	12/05/2025	23/05/2025	VIE	09:00	11:00	DE/0-08G 
52	12/05/2025	23/05/2025	MIE	19:00	21:00	DE/1-10M 
6	12/05/2025	23/05/2025	VIE	17:00	19:00	A1/0-05G 
7	12/05/2025	23/05/2025	JUE	09:00	11:00	A1/0-01G 
77	12/05/2025	23/05/2025	JUE	09:00	11:00	A1/0-02M 
8	12/05/2025	23/05/2025	VIE	17:00	19:00	A1/1-59M 
88	12/05/2025	23/05/2025	MAR	09:00	11:00	A1/0-14S 