



POLITÉCNICA

INTERNATIONAL  
CAMPUS OF  
EXCELLENCE

COORDINATION PROCESS OF  
LEARNING ACTIVITIES  
PR/CL/001



E.T.S. de Ingenieros  
Informáticos

# ANX-PR/CL/001-01

## LEARNING GUIDE

### SUBJECT

**103000937 - Fundamentals Of Finance**

### DEGREE PROGRAMME

10AZ - Master Universitario En Innovación Digital

### ACADEMIC YEAR & SEMESTER

2025/26 - Semester 1

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## 1. Description

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### 1.1. Subject details

<b>Name of the subject</b>	103000937 - Fundamentals Of Finance
<b>No of credits</b>	6 ECTS
<b>Type</b>	Optional/elective
<b>Academic year of the programme</b>	First year
<b>Semester of tuition</b>	Semester 1
<b>Tuition period</b>	September-January
<b>Tuition languages</b>	English
<b>Degree programme</b>	10AZ - Master Universitario en Innovación Digital
<b>Centre</b>	10 - E.T.S. De Ingenieros Informáticos
<b>Academic year</b>	2025-26

## 2. Faculty

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### 2.1. Faculty members with subject teaching role

<b>Name and surname</b>	<b>Office/Room</b>	<b>Email</b>	<b>Tutoring hours *</b>
Ziba Habibi Lashkari (Subject coordinator)	5217,IMDEA:2 74	ziba.habibi@upm.es	Sin horario. No schedule. To be agreed with student

\* The tutoring schedule is indicative and subject to possible changes. Please check tutoring times with the faculty member in charge.

## 3. Skills and learning outcomes \*

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### 3.1. Skills to be learned

CE-EIT06 - Capacidad para reconocer, abordar y sugerir maneras para tratar los diferentes retos (madurez, propiedad intelectual, etc.) en el proceso de explotar una tecnología para crear un negocio.

CE-FT02 - Capacidad para analizar problemas de naturaleza financiera y su resolución mediante aplicación de tecnologías de la información y la comunicación

CE-FT03 - Capacidad para entender los conceptos básicos relacionados con las industrias del sector financiero, incluyendo dominios de fintech, proptech e insurtech

### 3.2. Learning outcomes

RA14 - Apply the acquired knowledge in real contexts

RA106 - - - In depth understanding of the basic entrepreneurial finance

\* The Learning Guides should reflect the Skills and Learning Outcomes in the same way as indicated in the Degree Verification Memory. For this reason, they have not been translated into English and appear in Spanish.

## 4. Brief description of the subject and syllabus

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### 4.1. Brief description of the subject

Fundamentals of finance is a course that will cover relevant topics regarding financial decision-making. The most important aim of this course is to introduce the tools and techniques of financial management to the students and teach them how to use managerial decision-making. Also, the course will focus on the FinTech market in order to discuss each topic.

## 4.2. Syllabus

1. Introduction to Financial Management
2. Fundamental Concepts in Financial Management
3. Financial Assets
4. Capital Budgeting
5. Capital structure and Dividend Policy
6. Working Capital Management, forecasting and Multinational Financial Management

## 5. Schedule

### 5.1. Subject schedule\*

Week	Type 1 activities	Type 2 activities	Distant / On-line	Assessment activities
1	<b>Tema 1</b> Duration: 03:00 Lecture			
2	<b>Topic 1</b> Duration: 03:00 Lecture			
3	<b>Topic 1</b> Duration: 03:00 Lecture			
4	<b>Topic 2</b> Duration: 03:00 Lecture			
5	<b>Topic 3</b> Duration: 03:00 Lecture			
6	<b>Topic 3</b> Duration: 03:00 Cooperative activities			
7	<b>Topic 4</b> Duration: 03:00 Lecture			
8	<b>Topic 4</b> Duration: 03:00 Cooperative activities			
9	<b>Tema 5</b> Duration: 03:00 Lecture			
10	<b>Individual assignment</b> Duration: 03:00 Additional activities			<b>Individual Assignment</b> Individual work Progressive assessment Presential Duration: 03:00
11	<b>Topic 5</b> Duration: 03:00 Cooperative activities			
12	<b>Topic 6</b> Duration: 03:00 Lecture			
13	<b>Tema 6</b> Duration: 03:00 Cooperative activities			

14	<b>Tema 6</b> Duration: 03:00 Lecture			
15	<b>Individual Assignment</b> Duration: 03:00 Additional activities			<b>Individual Assignment</b> Individual work Progressive assessment Presential Duration: 03:00
16				<b>Final Exam</b> Individual work Global examination Presential Duration: 03:00
17				

Depending on the programme study plan, total values will be calculated according to the ECTS credit unit as 26/27 hours of student face-to-face contact and independent study time.

## 6. Activities and assessment criteria

### 6.1. Assessment activities

#### 6.1.1. Assessment

Week	Description	Modality	Type	Duration	Weight	Minimum grade	Evaluated skills
10	Individual Assignment	Individual work	Face-to-face	03:00	50%	5 / 10	CE-FT03 CE-EIT06 CE-FT02
15	Individual Assignment	Individual work	Face-to-face	03:00	50%	5 / 10	CE-FT02 CE-FT03 CE-EIT06

#### 6.1.2. Global examination

Week	Description	Modality	Type	Duration	Weight	Minimum grade	Evaluated skills
16	Final Exam	Individual work	Face-to-face	03:00	100%	5 / 10	CE-FT03 CE-EIT06 CE-FT02

#### 6.1.3. Referred (re-sit) examination

Description	Modality	Type	Duration	Weight	Minimum grade	Evaluated skills
Final Exam	Individual work	Face-to-face	03:00	100%	5 / 10	CE-EIT06 CE-FT03 CE-FT02

## 6.2. Assessment criteria

The course will be based on individual assignments.

### Evaluación continua:

Students will work on various case studies and write an essay to analyze the situations presented in these cases, providing financial solutions. Each essay will account for 50% of their final grade. They must achieve a score of at least 5 out of 10 for each essay. If they fail to pass any of these assessments, they will be suspended.

### Evaluación sólo prueba final:

Students must attend an exam based on case studies, which will constitute 100% of their final grade. If they fail this exam, they will be suspended and will need to attend the extraordinary exam.

### Evaluación convocatoria extraordinaria:

The extraordinary exam will account for 100% of their final grade. If they fail this exam, they will be suspended and will need to repeat the course.

## 7. Teaching resources

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### 7.1. Teaching resources for the subject

Name	Type	Notes
Fundamentals of Corporate Finance	Bibliography	Brealey, Myers, Marcus, McGraw-Hill.
Financial Management Principles and Applications	Bibliography	Keown, Martin, Petty, Scott. Prentice hall.