

## 1. BASIC DATA

<b>Subject</b>	FINANCE I
<b>Title</b>	DEGREE IN MANAGEMENT AND BUSINESS ADMINISTRATION
<b>School/ College</b>	FACULTY OF SOCIAL SCIENCES
<b>Grade</b>	1st
<b>ECTS</b>	6
<b>Character</b>	BASIC
<b>Languages</b>	SPANISH
<b>Modality</b>	ON SITE
<b>Semester</b>	SECOND
<b>Academic course</b>	2025-26
<b>Coordinator teacher</b>	ROBERTO GOMEZ CALVET

## 2. PRESENTATION

Finance I is a basic subject within the Degree in Business Administration and Management, with a value of 6 ECTS credits. The course introduces the student to one of the major areas of Business Economics. These areas are: production, marketing, organization and finance. All of them are interrelated with each other, in such a way that the decisions in one of them condition the rest. It is important, therefore, to understand how financial decisions condition and are conditioned by the rest of the areas.

In this subject the student will become familiar with key concepts such as financial management, the functions of the financial director, interest rates and will know how to apply them to the valuation of financial assets (loans, bonds and shares).

The subject introduces the student to the basic foundations of Financial Mathematics, as well as its application to the study of specific financial operations. The student will gain knowledge of the usual valuation models and will be able to adapt them to new operations that may arise in an environment subject to continuous change.

## 3. LEARNING OUTCOMES

### • LEARNING OUTCOMES OF THE DEGREE PROGRAMME

#### **Skills**

HAB06: Ability to use the necessary mathematical tools for solving economic problems and the use of basic methods of calculus, algebra, and programming. CB3: That students have the ability to gather and interpret relevant data (normally within their area of study) to make judgments that include a reflection on relevant issues of a social, scientific or ethical nature.

### Competences

CP03: Ability to understand and analyze financial markets, their structure, agents, and products.

CPT01: Create new ideas and concepts from known ideas and concepts, reaching conclusions or solving problems, challenges, and situations in an original way.

CPT06: Integrate analysis with critical thinking in a process of evaluating different ideas or possibilities and their potential for error, based on evidence and objective data that lead to effective and valid decision-making.

CPT07: Adapt to adverse, unexpected situations that cause stress, whether personal or professional, overcoming them and even turning them into opportunities for positive change.

### • LEARNING OUTCOMES OF THE SUBJECT

Understanding of concepts related to basic corporate finance.

Solving problems related to investment decision-making that demonstrate the correct understanding of the described concepts.

## 4. CONTENTS

Topic 1: Concept of time value of money.

Topic 2: Simple, compound capitalization.

Topic 3: Concept of profitability: Nominal, effective and real interest.

Topic 4: Income and practical application.

Topic 5: Types of loans and amortization.

Topic 6: Application to the valuation of financial assets

## 5. TEACHING-LEARNING METHODOLOGIES

The types of teaching-learning methodologies that will be applied are indicated below:

- Case Method
- Cooperative learning
- Problem Based Learning (PBL)
- master classes
- Field experiences (visits to companies, fairs, institutions, etc.)
- Simulation environments

## 6. FORMATION ACTIVITIES

Next, the types of training activities that will be carried out and the dedication in hours of the student to each one of them are identified:

### Face-to-face modality:

training activity	Number of hours
AF1 Masterclasses	26 h
AF2 Asynchronous Lectures	14 h
AF3 Autonomous work	30 h
AF4 Oral presentations	10 h

AF5 Case analysis and problem solving	15 h
AF6 Preparation of reports and writings	10 h
AF7 Participatory group activities	25 h
AF8 Knowledge tests	5 h
AF 9 Tutorials	15 h
<b>Total</b>	<b>150 h</b>

## 7. EVALUATION

Next, the evaluation systems are listed, as well as their weight on the total grade of the subject:

### Face-to-face modality:

Evaluation system	Weight
Knowledge tests	50 %
Case analysis and problem solving	20 %
Reports and writings (Project)	15 %
Oral Presentations	10 %
Participation in debates and forums	5 %

In the Virtual Campus, when you access the subject, you will be able to consult in detail the evaluation activities that you must carry out, as well as the delivery dates and the evaluation procedures for each one of them.

### 7.1. Ordinary call

To pass the subject in ordinary call you must obtain a grade greater than or equal to 5.0 out of 10.0 in the final grade (weighted average) of the subject.

In any case, it will be necessary for you to obtain a grade greater than or equal to 5.0 in the final test, so that it can be averaged with the rest of the activities.

### 7.2. extraordinary call

To pass the subject in ordinary call you must obtain a grade greater than or equal to 5.0 out of 10.0 in the final grade (weighted average) of the subject.

In any case, it will be necessary for you to obtain a grade greater than or equal to 5.0 in the final test, so that it can be averaged with the rest of the activities.

Activities not passed in ordinary call must be delivered, after receiving the corrections corresponding to them by the teacher, or those that were not delivered.

## 8. TIMELINE

This section indicates the schedule with delivery dates for evaluable activities of the subject:

Assessable activities	Date
Activity 1. Simple Capitalization	week 3
Activity 2. Compound Capitalization	week 5
Partial Knowledge Test	week 7
Activity 3. Financial Operation	week 9
Activity 4. Annuities	week 11
Activity 5. Loans	week 13
Project + Presentation	week 15
Final Knowledge Test	week 16

This schedule may be modified for logistical reasons of the activities. Any modification will be notified to the student in a timely manner.

## 9. BIBLIOGRAPHY

The reference work for following the subject is:

- Zima, P., & Brown, R.L. (1996). Schaum's Outline. Mathematics of Finance. (UEV library reference HF5691.754)
- Gonzalez Velasco, M.C. (2008). ThomsonCivitas. Analysis of Financial Operations (220 cases resolved) (Reference UEV library: HF5693.57)
- Brealey, Myers and Allen (2010), Principles of Corporate Finance, 9th Edition, Mc Graw Hill Publishers. (UEV library reference: HG4026 .B743 2018 - HG4026 .B7418 2010)
- Tovar Jimenez, José (2011), Financial Operations: theory and solved problems. Center for Financial Studies.
- De Pablo, A. (1998): "Mathematics of Financial Operations I", 3rd edition, UNED.
- Navarro, E. and Nave, J. (2001): "Fundamentals of Financial Mathematics". Editorial Antoni Bosch; Barcelona.

Here is a recommended bibliography:

- Baquero, MJ and Maestro, ML (2003): "Solved Problems of Mathematics of Financial Operations". Publisher AC. Madrid.
- Bonilla Musoles (1994): "Mathematics of Financial Operations. Theory and practice". Thomson. Madrid.
- Cabello, J., Gómez T., Rodríguez, R., Ruiz, F. and Torrico, A. (1999): "Applied Financial Mathematics: 127 Solved Problems". Publisher AC. Madrid.

- De Pablo, A. (2002): "Financial Valuation". Third edition. Publishing Center of Studies Ramón Areces, Madrid.
- García Boza J. and others (2002): "Solved Problems of Mathematics of Financial Operations". Pyramid Publisher. Madrid.
- Miner, J. (2004): "Mathematics of Financial Operations". Publisher McGraw Hill

## 10. EDUCATIONAL GUIDANCE AND DIVERSITY UNIT

From the Educational Guidance and Diversity Unit we offer support to our students throughout their university life to help them reach their academic achievements. Other main actions are the students inclusions with specific educational needs, universal accessibility on the different campuses of the university and equal opportunities.

From this unit we offer to our students:

1. Accompaniment and follow-up by means of counselling and personalized plans for students who need to improve their academic performance.
2. In terms of attention to diversity, non-significant curricular adjustments are made in terms of methodology and assessment for those students with specific educational needs, pursuing an equal opportunities for all students.
3. We offer students different extracurricular resources to develop different competences that will encourage their personal and professional development.
4. Vocational guidance through the provision of tools and counselling to students with vocational doubts or who believe they have made a mistake in their choice of degree.

Students in need of educational support can write to us at:  
[unidad.diversidaduev@universidadeuropea.es](mailto:unidad.diversidaduev@universidadeuropea.es)

## 11. SATISFACTION SURVEYS

Your opinion matters!

Universidad Europea encourages you to participate in satisfaction surveys to detect strong points and areas for improvement regarding the teaching staff, the degree and the teaching-learning process.

The surveys will be available in the survey space of your virtual campus or through your email.

Your assessment is necessary to improve the quality of the degree.

Thank you very much for your participation.

## PLAGIARISM REGULATIONS

According to the disciplinary regulations for students of the European University:

Plagiarism, in whole or in part, of intellectual works of any kind is considered a very serious offense. Very serious offenses related to plagiarism and the use of fraudulent means to pass evaluation tests will result in the loss of the corresponding exam session, as well as the recording of the offense and its reason in the academic record.

## AI USAGE REGULATIONS

The student must be the author of their own work/activities.

The use of Artificial Intelligence (AI) tools must be authorized by the instructor for each work/activity, indicating how their use is permitted. The instructor will inform in advance in which situations AI tools can be used to improve spelling, grammar, and general editing. The student is responsible for specifying the information provided by the tool and properly declaring the use of any AI tool, according to the guidelines set by the instructor. The final decision on the authorship of the work and the appropriateness of the reported use of an AI tool rests with the instructor and the degree program officials.