



Syllabus

INGENIERÍA FINANCIERA / CORPORATE FINANCE

1. Subject:

FINANCIAL ENGINEERING/CORPORATE FINANCE

Degree

Degree in Industrial Organization Engineering

Code

6227

2. Unit/Module:

3. Department:

CIVIL ENGINEERING

4.a Professor:

Luis Rodrigo IZQUIERDO MILLÁN & José Ignacio SANTOS MARTÍN

4.b Coordinator:

Luis Rodrigo IZQUIERDO MILLÁN

5. Course and semester in which the subject is taught:

3rd course, 6th semester

6. Course Type : (introductory, mandatory or elective)

Mandatory



7. Number of ECTS credits for course:

6

8. Competences that the student must acquire when taking the subject:

Basic and General Competences:

Instrumentals:

GI-1 Demonstrate the capacity for analysis and synthesis.

GI-2 Demonstrate skills for planning, organization and strategy.

GI-3 Acquire the ability to solve problems effectively.

GI-9 Develop the ability to search and manage information.

• Personal:

GP-1 Develop critical reasoning.

GP-6 Acquire a commitment to ethics and social responsibility.

• Systemic:

GS-1 Develop the ability to put into practice the knowledge acquired.

GS-7 Be able to work autonomously.

Specific Skills:

• Disciplinary and Academic:

ED-24 Understanding and mastery of financial and cost management techniques, investment analysis, feasibility studies, finance, market analysis.

ED-27 Knowledge of the company and the microeconomic model, strategic competitiveness and market structure, the environment and macroeconomic policies, strategic planning.

• Professional/Occupational:

EP-1 Capacity for the General Management of companies, especially industrial or service companies with relevant technological content.

EP-9 Capacity for Financial and Cost Management

EP-11 Ability to teach under the terms required by current regulations.



9. Course Overview:

9.1- Objectives
<ol style="list-style-type: none">1. Gain a thorough understanding of the scope, techniques, theories and issues found in practical corporate finance situations.2. Master the use of basic financial concepts and operations from an internal perspective (with applications to both personal and corporate finances) and also from an external perspective (to understand how global financial markets work).3. Deepen understanding of the different financial sources and investment opportunities available to the firm.4. Conduct financial and budget plans.5. Develop the ability to critically assess various financial situations, identify potential problems that may appear, and propose adequate solutions to either avoid or mitigate adverse consequences.
9.2- Teaching Units
<ol style="list-style-type: none">1. Financial Economy Of The Company / Corporate Finance2. Financial Operations / Financial Operations



- 3. Introduction To The Monetary System And To Financial Markets**
- 4. Financial Statement Analysis**
- 5. Financial Sources And Cost Of Capital**
- 6. Investments And Profitability/Investments And Return. Project Selection**

9.3- Bibliography

Bibliography

Amat, O., (2008) Analysis of financial statements: foundations and applications., 8, Gestión 2000, Barcelona, 9788496612969, Brealey, R.A. et al., (2006) Principles of corporate finance, McGraw-Hill, Madrid, Partal, A. et al., (2011) Introduction to business finance, Pirámide, Madrid,

FURTHER READING

Díez de Castro, L. and López Pascual, J., (2006) Financial Management, Prentice-Hall, Madrid, Gava, L., (2009) Financial Management. Investment Decisions, Delta Publicaciones, Madrid, Piñeiro sánchez, C. and De Llano Monelos, P., (2009) Principles and models of Financial Management, Andavira, Santiago de Compostela, Rosario Díaz, J. et al., (2008) Practical assumptions of Financial Management, Pirámide, Madrid, Ruiz Martínez, R., (2006) Introduction to Financial Management, Synthesis, Madrid,



10. Teaching and learning methodology and its relationship with the skills that the student must acquire:

Methodology	Related competency	Contact hours	Out-of-class hours	Total
Theoretical	ED24, ED27, GS1, GS7.	24	36	60
Practical	ED27, EP1, EP9, EP11, GI1, GI2, GI3, GI9, GP1, GP6, GS1, GS7.	24	36	60
Reading, Public presentations, Seminars, Tutorials and individual meetings	EP1, EP9, EP11, GI1, GI2, GI3, GI9, GP1, GP6, GS1, GS7.	4	8	12
Essays, reports, memos and tests	GP6, GS1, GS7.	2	16	18
Total		54	96	150



11. Grading System:

The evaluation will be continuous, according to University regulations. There are two evaluation options: regular system and exceptional system (explained below).

REGULAR SYSTEM:

FIRST ASSESSMENT

According to University regulations, the student will be assessed according to the continuous evaluation system.

SECOND ASSESSMENT

The student has a second opportunity to be assessed. This second opportunity consists in a written test where all the concepts taught during the course will be assessed (40% theoretical concepts and 40% practical concepts). The part of the continuous evaluation relating the submission of essays or reports (20%) is assessed with a practical test on financial operations.

The evaluation procedure for interchange students can be modified in the event of conflict between the academic calendar of the student's home University and the academic calendar of the University of Burgos.



--

Assessment	Weight First Attempt	Weight Second Attempt
Essays, reports, or tests conducted during the course	20 %	20 %
Theoretical concepts test (minimum to pass: 5/10)	40 %	40 %
Practical concepts test (minimum to pass: 5/10)	40 %	40 %
Total	100 %	100 %

Exceptional evaluation:

Exceptional system. According to University Regulations, students who cannot follow the continuous evaluation system due to unordinary circumstances are eligible to apply for exceptional evaluation. The exceptional evaluation system consists in:

Theoretical concepts written test (40%)

Practical concepts written test (40%)

Financial operations written test (20%)



12. Learning resources and tutorial support:

There are theoretical lectures and practical tutorials.

Theoretical lectures are employed to explain the fundamental concepts of the subject. Students are encouraged to attend and participate actively in the development of these lectures.

Practical tutorials are used to endow students with the necessary skills and the capacity to understand the theory and apply, in real world situations, the techniques and methods that have been developed in the theoretical lectures.

We employ a range of different resources to promote and facilitate the process of learning, e.g.:

Books available at the University Library

Slides created by the instructors

Web pages, news articles and other online resources

Tutorials

Individual meetings to solve specific questions and group seminars



--

13. Calendars and schedules:

The calendar approved by the Centre (Junta de Escuela de la Escuela Politécnica Superior) and the specific timetables published on the official boards of the Centre.

See <http://www.ubu.es/eps>

14. Language of instruction:

Spanish/English