

# Teaching guide

## IDENTIFICATION DETAILS

|                                      |   |               |      |
|--------------------------------------|---|---------------|------|
| Degree:                              | Business Administration and Management      |               |      |
| Field of Knowledge:                  | Social and Legal Science                    |               |      |
| Faculty/School:                      | Law, Business and Governance                |               |      |
| Course:                              | THE VALUE OF MONEY OVER TIME                |               |      |
| Type:                                | Compulsory                                  | ECTS credits: | 6    |
| Year:                                | 2   | Code:         | 7123 |
| Teaching period:                     | Third semester                              |               |      |
| Area:                                | Finance                                     |               |      |
| Module:                              | Functional administration of business areas |               |      |
| Teaching type:                       | Classroom-based                             |               |      |
| Language:                            | Spanish/English                             |               |      |
| Total number of student study hours: | 150   |               |      |

## SUBJECT DESCRIPTION

The main objective of the "Time Value of Money" integrated into the degree of Business Administration, is to ensure that students acquire the knowledge and precise techniques for the study of the principles and methodology of basic financial mathematics in environments of risk and uncertainty. It is the basis of finance and the foundation for other courses, such as financial management or asset valuation.

In business administration, both qualitative and quantitative analyses can be carried out. We are interested in quantitative analyses, which have the advantage of being precise and not ambiguous, although they are not adapted to all kind of situations and require certain characteristics, as quantifiable magnitudes, in order to express relations in mathematical terms.

The application of mathematics to economics and business means a change (for some even a revolution) in the way to tackle the problems of this science.

Mathematical competence is the ability of an individual to identify and understand the role that mathematics plays in

the world, make informed judgments, and use and engage with mathematics in those moments when needs for individual life as a constructive citizen presented, committed and thoughtful.

The aim is that students act as informed citizens, thoughtful and intelligent consumers. In addition, through the techniques learned, students can develop an entrepreneurial spirit oriented towards productive and efficient investments.

Financial mathematics is not confined just to the technical aspects of business but is committed to the values of fairness, objectivity, and rigor. They also develop creativity, ingenuity and beauty.

## **SKILLS**

### **Basic Skills**

Students must have demonstrated knowledge and understanding in an area of study that is founded on general secondary education. Moreover, the area of study is typically at a level that includes certain aspects implying knowledge at the forefront of its field of study, albeit supported by advanced textbooks

Students must be able to apply their knowledge to their work or vocation in a professional manner and possess skills that can typically be demonstrated by coming up with and sustaining arguments and solving problems within their field of study

Students must have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgments that include reflections on pertinent social, scientific or ethical issues

Students must be able to convey information, ideas, problems and solutions to both an expert and non-expert audience

Students must have developed the learning skills needed to undertake further study with a high degree of independence

### **General Skills**

Ability to carry out synthetic and analytical thought.

To have developed the necessary skills to ensure problems are solved and goals are reached.

To develop oral and written communication skills in a native and foreign language.

To be able to apply relevant IT knowledge to the field of study.

### **Specific skills**

To be able to approach a subject by means of rigorous, profound and comprehensive thought.

To develop criteria for problem-solving and decision-making both professionally and personally.

To identify and understand the technical vocabulary related to various disciplines.

To be able to effectively use those tools needed for giving presentations.

### **DISTRIBUTION OF WORK TIME**

| CLASSROOM-BASED ACTIVITY | INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY |
|--------------------------|---|
| 60 hours                 | 90 hours                                    |