

29155 - Statistics and Financial Management

Syllabus Information

Academic year: 2024/25

Subject: 29155 - Statistics and Financial Management

Faculty / School: 177 - Escuela Universitaria de Turismo

Degree: 616 - Degree in Tourism

ECTS: 6.0

Year: 2

Semester: First semester

Subject type: Basic Education

Module:

1. General information

The goal of the subject is to understand and analyze the fundamentals of statistics and financial mathematics, focusing on the basic concepts and techniques.

It is intended to provide, in a simplified form, the conceptual bases to be able to address the problems of statistical analysis and financial valuation that may arise in an organization.

These approaches and goals are aligned with the following Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (<https://www.un.org/sustainabledevelopment/es/>), such that the acquisition of the subject learning results provides training and competence to contribute to some extent to their achievement:

- Goal 8: Decent Work and Economic Growth
- Goal 10: Reduction of Inequalities
- Goal 11: Sustainable Cities and Communities

2. Learning results

- Identify the terminology and methodology of applied statistics.
- Knowledge of quantitative and qualitative analysis methods.
- Ability to process information by means of computer packages applied to statistics.
- Identify the terminology and methodology of financial valuation.
- Represent and value the different types of financial transactions.
- Ability to apply theoretical concepts to practice, solving practical cases involving the understanding of basic concepts and their application to real situations.
- Understanding the logic of financial choice
- Manage a spreadsheet for problem solving.

3. Syllabus

Part I: Statistics

Unit 1: Preliminary concepts and one-dimensional statistical series

Unit 2: Two-dimensional statistical series

Unit 3: Index numbers and time series

Part II: Financial Management

Unit 4: Financial valuation

Unit 5: Capitalization and simple discounting

Unit 6: Capitalization and compound discounting

Unit 7: Study and valuation of rents

Unit 8: Loans

4. Academic activities

Presential Activities

A- Lectures: Sessions, in which the necessary and basic theoretical aspects for the understanding of the subject will be

explained with their corresponding practical application, encouraging active participation and guiding the autonomous work of the students: 60 hours

B- Practical sessions in the computer classroom: use of spreadsheet as a tool for descriptive data analysis and financial valuation: 10 hours

C- Assessment tests: 5 hours.

D- Autonomous work: 60 hours

E- Attendance to tutorials: 15 hours

5. Assessment system

Continuous assessment or global assessment can be chosen

CONTINUOUS ASSESSMENT

It consists of the following activities:

- **Statistics** (50% of the grade): There will be 3 written tests. Weights: 32.5% (Unit 1), 37.5% (Unit 2) and 30% (Unit 3). To be able to mediate, it is necessary to obtain at least 4 (out of 10) in each one of them

- **Financial management** (50% of the grade): There will be 2 practical tests. Weights: 50% (Units 4-6) and 50% (Units 6-7). To be able to mediate, it is necessary to obtain at least 4 (out of 10) in each one of them

The final grade is obtained by reaching a 5 out of 10 between the two parts.

GLOBAL ASSESSMENT:

It consist of an individual test

- **Statistic** (50% of the grade): on theoretical and practical content.

- **Financial management** (50% of the grade): on theoretical and practical content.

6. Sustainable Development Goals

4 - Quality Education

8 - Decent Work and Economic Growth

17 - Partnerships for the Goals