Visiting Professor Program
Academic year 2020/2021

DEPARTMENT OF MANAGEMENT

TEACHING COMMITMENT: 14 hours

COURSE TITLE
Mathematics for Business and Finance

TEACHING PERIOD
1st term

SCIENTIFIC AREA
Mathematics

LANGUAGE USED TO TEACH
English
The Degree Course is entirely taught in English

COURSE SUMMARY
MATHEMATICS

Functions of one variable.


Differential calculus and applications.
Notion of derivative and its geometrical meaning, higher-order derivatives, rules of derivation.

FINANCIAL MATHEMATICS

Notions of linear algebra.

Vectors, matrices and operations. Functions of two variables.


Economic and business applications.

LEARNING OBJECTIVES

Through an intuitive and direct explanation of concepts and mathematical tools, the course allows students to acquire basic knowledge for approaching the study of main economic and business problems. In particular, at the end of the course, the student is expected to be capable of:

- knowing the techniques and the basic mathematical tools commonly used in the solution of problems of economic and financial nature;
- using such techniques and tools to formalize and solve problems;
- being able to communicate the results obtained using a clear and appropriate mathematical notation and language.

TUTORSHIP ACTIVITIES (IF APPLICABLE)

Classes with Teaching Assistants will be provided, approximately one class after two lectures.

LAB ACTIVITIES (IF APPLICABLE)

OTHER ACTIVITIES (IF APPLICABLE)

Seminar on the research field of the VP (if in line with the research topics of the PhD students) will be provided to PhD students.

VISITING PROFESSOR PROFILE DESCRIPTION

Large experience in teaching Applied Mathematics in English to big groups. Teaching organisation experience required (organising classes for Class Teachers, schedule of classes, managing exams). Good record of publications preferably on Mathematics for Managers.

CONTACT PERSON AT THE DEPARTMENT

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