UNIVERSITÀ DEGLI STUDI DI TORINO

ID

VP21_DIP_MATSSST

Visiting Professor Program
Academic year 2021/2022

DEPARTMENT OF MATHEMATICS "GIUSEPPE PEANO"

TEACHING COMMITMENT: 18 hours

COURSE TITLE

Mathematics for the Social Sciences

TEACHING PERIOD

2nd term

SCIENTIFIC AREA

Mathematics

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The course offers an introduction to essential mathematical concepts and tools which are useful for political and social sciences, including key concepts of calculus in one and more than one variable and of optimization. The course will focus also on Social Choice Theory and we will consider some formal aspects of social choice and their application to democracy.

LEARNING OBJECTIVES

This course aims to provide students with Quantitative Methods programmes with the mathematical foundations, which will allow them to fully explore advanced methods, as well as gain a full understanding of the mathematic principles behind the basic methods. Throughout the course, the application of mathematics to social science research problems will be emphasised.

TUTORSHIP ACTIVITIES

Tutorship activities will be provided by the teacher.

LAB ACTIVITIES

Not applicable.

OTHER ACTIVITIES BESIDES THE COURSE

The VP will be invited to deliver conferences and seminars at the Department of Mathemathics

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VISITING PROFESSOR PROFILE

The Visiting Professor must be an experienced researcher with substantial teaching experience in the field, at a leading academic institution.

CONTACT PERSON AT THE DEPARTMENT

Prof. Annamaria Fino
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