



UNIVERSITÀ DEGLI STUDI DI TORINO

ID

VP20_DIP_MAT

Visiting Professor Program Academic year 2021/2022

DEPARTMENT OF MATHEMATICS "GIUSEPPE PEANO"

TEACHING COMMITMENT: 12 hours

COURSE TITLE

Approximation Methods

TEACHING PERIOD

2nd term

SCIENTIFIC AREA

Numerical Analysis

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The aim of this course is to provide advanced competences in Numerical Mathematics in the area of classical and modern approximation theory, with particular reference to polynomial and spline approximation and their applications. Lessons are organized according to a numerical analyst point of view, by considering the theory, but also emphasizing the computational aspects.

In particular, the lectures given by the visiting professor will deal with polynomial approximation theory and numerical methods for integral equations.

LEARNING OBJECTIVES

After completing the course, the student will have knowledge and expertise on approximation theory and numerical methods for integral equations.

TUTORSHIP ACTIVITIES

N/A

LAB ACTIVITIES

N/A

OTHER ACTIVITIES BESIDES THE COURSE

N/A

VISITING PROFESSOR PROFILE

The visiting professor will be an internationally recognised scholar with an established track of high quality research output in international journals and with a pluriannual teaching experience on applied mathematics approximation theory, operator theory, orthogonal polynomials and numerical methods for integral equations.

CONTACT PERSON AT THE DEPARTMENT

Prof. Incoronata Notarangelo

incoronata.notarangelo@unito.it