A.Y. 2021/2022

Internal Courses – Class of Natural Sciences

Courses of the 1st year

CALCULUS
Prof. Daniela Tonon

COMPLEMENTS OF ANALYSIS
Prof. Davide Vittone

INTRODUCTION TO PROBABILITY MODELS
Prof. Alessandra Bianchi

INTRODUCTION TO THERMODYNAMICS
Prof. Fulvio Baldovin

Courses of the 2nd year

MEASURE THEORY
Prof. Paolo Ciatti

ALGORITHM DESIGN
Prof. Francesco Silvestri

FLUID DYNAMICS
Prof. Roberto Turolla

OPEN PROBLEMS IN FUNDAMENTAL PHYSICS WITH THE FOUR OPERATIONS
Prof. Francesco D'Eramo

Courses of the 3rd year

Upon request, the courses of the 4th and 5th year can be accessed during the 3rd year too.

ADVANCED ELECTROMAGNETISM
Proff. Massimo Passera, Davide Cassani

ALGEBRAIC COMBINATORICS
Prof. Pablo Spiga

AN INTRODUCTION TO FRACTAL GEOMETRY
Prof. Stefano Marmi

PC ARCHITECTURE HANDS ON
Prof. Andrea Troissi
Courses of the 4th and 5th year

One of the following courses can be replaced by an individual project, under the supervision of a teacher.

INTRODUCTION TO CHAOTIC DYNAMICS
Prof. Angelo Vulpiani

MODELS IN ECOLOGY
Prof. Alberto Barausse

MACHINE LEARNING
Proff. Nicoletta Noceti, Vito Paolo Pastore