A.Y. 2022/2023

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

COMPLEMENTS OF CLASSICAL MECHANICS
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.

PATH INTEGRAL
Proff. Luca Vecchi, Davide Cassani

ENUMERATIVE COMBINATORY
Prof. Peter Cameron

OPTIMAL TRANSPORTATION AND ELEMENTS OF ADVANCED ANALYSIS
Prof. Roberto Monti

INFORMATION THEORY ADVANCED ELECTROMAGNETISM
Proff. Carlo Albert, Jeff Byers
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.

MOLECULAR BASIS OF NEURODEGENERATION: FROM MECHANISMS TO THERAPIES
Prof. Elisa Greggio

INTRODUCTION TO INTEGRABLE MODELS
Proff. Alessandro Sfondrini, Paolo Rossi

BIOINFORMATIC APPROACHES FOR METAGENOMIC
Proff. Stefano Campanaro, Nicola Vitulo