A.Y. 2022/2023

Internal Courses – Class of Natural Sciences

Courses of the 1st year

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. Christopher Godsil

OPTIMAL TRANSPORTATION AND ELEMENTS OF ADVANCED ANALYSIS  
Prof. Roberto Monti

INFORMATION THEORY  
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