



scuolagalileiana
di studi superiori



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

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