



scuolagalileiana
di studi superiori



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

A.Y. 2018/2019

Internal Courses – Class of Natural Sciences

Courses of the 1st year

CALCULUS

Prof. Francesco Rossi

COMPLEMENTS OF ANALYSIS

Prof. Luca Martinazzi

INTRODUCTION TO PROBABILITY MODELS

Prof. Alessandra Bianchi

INTRODUCTION TO THERMODYNAMICS

Prof. Fulvio Baldovin

Courses of the 2nd year

MEASURE THEORY

Prof. Paolo Ciatti

SUPRAMOLECULAR CHEMISTRY

Prof. Paolo Maria Scrimin

FLUID DYNAMICS

Prof. Roberto Turolla

JAVA PROGRAMMING AT DIFFERENT ABSTRACTION LEVELS

Prof. Silvia Crafa

Courses of the 3rd year

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

ALGEBRAIC COMBINATORICS

Prof. Pablo Spiga

SOUND AND MUSIC COMPUTING

Prof. Giovanni De Poli

PROBABILISTIC METHODS IN DATA ANALYSIS

Prof. Giulio D'Agostini

PATH INTEGRAL AND QUANTUM MECHANICS

Prof. Massimo Passera

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.

ELLIPTIC CURVES

Proff. Matteo Longo, Remke Nanne Kloosterman

DIGITAL DESIGN FOR ADDITIVE MANUFACTURING AND 3D PRINTING

Prof. Gianpaolo Savio

GEOMETRIC METHODS OF THEORETICAL PHYSICS

Proff. Gianguido Dall'Agata, Luca Martucci

FRONTIERS IN MODELLING AND DATA ANALYSIS IN NEUROSCIENCE

Proff. Christopher Mathys, Romain Brasselet