



scuolagalileiana
di studi superiori

1222-2022
800
ANNI



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

A.Y. 2019/2020

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

AN INTRODUCTION TO CATEGORY THEORY AND APPLICATIONS

Prof. Riccardo Colpi

FLUID DYNAMICS

Prof. Roberto Turolla

INTRODUCTION TO MOLECULAR MODELLING

Prof. Antonino Polimeno

Courses of the 3rd year

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

PHYSICS LABORATORY

Prof. Marco Zanetti

GAME THEORY

Prof. Leonardo Badia

QUANTUM OPTICS AND INFORMATION

Proff. Paolo Villoresi, Giuseppe Vallone

ADVANCED ELECTROMAGNETISM

Prof. Massimo Passera

CLASSIC AND CONTEMPORARY CRYPTOGRAPHY

Prof. Michele Elia

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.

CONFORMAL FIELD THEORIES

Prof. Alessandro Vichi

QUANTUM MECHANICS

Prof. Pieralberto Marchetti

MOLECULAR PATTERNS THAT CONNECT METABOLISM WITH LONGEVITY

Prof. Marco Sandri