



scuolagalileiana
di studi superiori



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

A.Y. 2016/2017

Internal Courses – Class of Natural Sciences

Courses of the 1st year

CALCULUS

Prof. Paolo Guiotto

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

INTERACTION NETWORKS IN LIVING SYSTEMS

Prof. Amos Maritan

FLUID DYNAMICS

Prof. Roberto Turolla

DATA ANALYSIS AND STATISTICS

Prof. Giulio D'Agostini

Courses of the 3rd year

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

THERMODYNAMICS OF NON-EQUILIBRIUM STATES

Prof. Giorgio Moro

BIOLOGY, GENETICS AND BIOTECHNOLOGY OF PLANTS

Prof. Livio Trainotti

INTRODUCTION TO COGNITIVE NEUROSCIENCE

Proff. Mathew Diamond, Davide Zoccolan, Domenica Buetti e Davide Crepaldi

DIFFERENTIAL GEOMETRY

Proff. Carla Novelli, Franco Cardin

PROBABILITY AND INTRODUCTION TO STOCHASTIC PROCESSES

Prof. Paolo Dai Pra

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.

QUANTUM INFORMATION

Proff. Paolo Villoresi, Giuseppe Vallone

METHODS OF EXPERIMENTAL PHYSICS FOR LIFE SCIENCES

Proff. Riccardo Faccini, Giovanni Carugno

INTRODUCTION TO NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS

Prof. Nicola Garofalo