A.Y. 2017/2018

Internal Courses – Class of Natural Sciences

Courses of the 1\textsuperscript{st} 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 2\textsuperscript{nd} year

MEASURE THEORY
Prof. Paolo Ciatti

INTERACTION NETWORKS IN LIVING SYSTEMS
Proff. Amos Maritan, Marco Formentin

FLUID DYNAMICS
Prof. Roberto Turolla

MATERIALS FOR BIOMEDICAL APPLICATIONS
Prof. Nicola Elvassore

Courses of the 3\textsuperscript{rd} year

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

ALGEBRA
Prof. Giovanna Carnovale

GENERAL RELATIVITY
Prof. Kurt Lechner

COMPLEMENTS OF ELECTRODYNAMICS
Proff. Massimo Passera, Marco Zanetti

A JOURNEY INTO DRUG DISCOVERY
Proff. Stefano Moro, Giovanni Marzaro, Adriana Chilin, Barbara Gatto
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.

INTRODUCTION TO STRING THEORY
Prof. Stefano Giusto

DYNAMICAL FOUNDATIONS OF STATISTICAL MECHANICS
Prof. Antonio Ponno

INVESTIGATING BRAIN NEURONAL NETWORKS: TECHNOLOGICAL AND THEORETICAL CHALLENGES
Prof. Stefano Vassanelli

TOPICS IN COMPLEX GEOMETRY
Proff. Jacopo Stoppa, Ugo Bruzzo

DATA ANALYSIS AND MACHINE LEARNING
Proff. Lorenzo Rosasco, Marco Zanetti