



A.Y. 2017/2018

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

Proff. Amos Maritan, Marco Formentin

FLUID DYNAMICS

Prof. Roberto Turolla

MATERIALS FOR BIOMEDICAL APPLICATIONS

Prof. Nicola Elvassore

Courses of the 3rd year

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