



A.Y. 2024/2025

Internal Courses – Class of Natural Sciences

Courses of the 1st year

COMPLEMENTS OF ANALYSIS (6 CFU)

Prof. Roberto Monti

COMPLEMENTS OF MECHANICS (6 CFU)

Prof. Francesco D'Eramo

COMPLEMENTS OF MATHEMATICS (6 CFU)

Proff. Marco Alessandro Cirant, Orsola Tommasi, Giulio Giuseppe Giusteri

PHYSICS OF LIFE (6 CFU)

Proff. Flavio Seno, Amos Maritan

Courses of the 2nd year

MEASURE THEORY

Prof. Elio Marconi

PHYSICS LABORATORY

Prof. Giampaolo Mistura

Courses of the 2nd/3rd year

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

ADVANCED ELECTROMAGNETISM

Prof. Marco Zanetti

INTRODUCTION TO PROBABILITY

Prof. Giambattista Giacomini

INTRODUCTION TO GROUP REPRESENTATION THEORY

Proff. Andrea Lucchini, *da definire*

PATH INTEGRAL IN QUANTUM MECHANICS

Prof. Luca Vecchi

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 SCIENTIFIC COMPUTING

Prof. Tim Mattson

LIGHT-BASED METHODS TO INVESTIGATE THE BRAIN

Prof. Marco Dal Maschio

NON-EQUILIBRIUM CHEMISTRY FOR THE DESIGN OF FUNCTIONAL MATTER

Proff. Leonard Jan Prins, Diego Frezzato

L'IMMAGINAZIONE NELLE SCIENZE (*interclass with SM*)

Prof. Marzia Soavi

ANOMALIES AND GEOMETRIC METHODS

Proff. Davide Cassani, Gianguido Dall'Agata

CLASSICAL AND MODERN METHODS IN ANALYTIC NUMBER THEORY

Prof. Mariusz Mirek