

DIPARTIMENTO DI MATEMATICA
Alma Mater Studiorum - Università di Bologna

The Department of Mathematics hosts advanced research activities in a number of fields ranging from significant areas of pure and applied mathematic.

The research topics of the members of the Department are: *Algebraic Combinatorics and Non-Commutative Algebra, Algebraic Geometry, Complex Geometry, Topology, Partial differential equations and microlocal analysis, Functional Analysis, Numerical Analysis, Stochastic Analysis and Probability Theory, Statistical Mechanics, Quantum mechanics and Complex Dynamical Systems, Operations Research, Mathematics Education, Mathematics for Economy and Finance, and Mathematics towards biology and medicine.*

Each year the Department organizes specific advanced course and seminars for graduate students in different areas including probability theory and mathematical physics. Furthermore there are periodic seminars of algebra, analysis and mathematical physics for the presentation of the research groups member activities and also for external invitation. Additional seminars are organized depending on the interests of the faculty and postdoctoral visitors.

Academics of our department are involved in the teaching of mathematics in several degree courses in different departments of UNIBO.

It actively collaborates with high schools in its region both taking part of National Educational Projects and organizing periodical information days and other events dedicated to high school students and their teachers in order to strengthen the University-School relationships and illustrate to students the job possibilities offered by a degree in mathematics.

In the math department it is also located the head quarters of the “Italian Mathematics Union” (UMI) and the organizing committee of the Italian Mathematical Olympic games.

website: www.matematica.unibo.it