PHD VIRTUAL OPEN WEEK 2021
PhD COURS in
PURE AND APPLIED MATHEMATICS

The PhD program in Pure and Applied Mathematics is managed by a Consortium among the Politecnico di Torino, University of Torino, the Istituto Nazionale di Alta Matematica "F. Severi" – INdAM and Consorzio Interuniversitario per l’Alta Formazione in Matematica - CIAFM
RESEARCH TOPICS

ALL AREAS OF PURE AND APPLIED MATHEMATICS

Logics, Algebra, Geometry, Mathematical Analysis and PDE's, Probability, Statistics, Mathematical Physics, Numerical Analysis, Mathematics Education, History of Mathematics

with a broad range of APPLICATIONS
THE DOCTORAL STUDY PLAN COMBINES DISCIPLINARY SPECIALIZATION AND A VARIETY OF THEORETICAL AND METHODOLOGICAL APPROACHES TO PROVIDE DOCTORAL STUDENTS WITH A USEFUL BACKGROUND TO CARRY OUT A RESEARCH PROGRAM DEVELOPED UNDER THE SUPERVISION OF THE TUTORS.
TRAINING COURSE

• THE FORMATIVE TRAINING COURSE PREVIEWS
CONTINUALLY READ LITERATURE
this will be to help develop your knowledge and identify current gaps in the overall body of knowledge surrounding your research topic

UNDEARTAKE RESEARCH SPECIFIC TO YOUR TOPIC
this can include defining ideas, proving theorems and identifying relationships between models
COLLECT AND ANALYSE DATA
this could comprise
developing computational
models, running simulations
and interpreting forecasts
etc.

Attend a wide range
of lectures, seminars
and events
WHY PURE AND APPLIED MATHEMATICS?
WHY PURE AND APPLIED MATHEMATICS?

Research in the doctorate represents a high potential for companies.

A mathematician is an algorithm maker who can understand how to heal on a messy business system.
PROFESSIONAL OPPORTUNITIES
PROFESSIONAL OPPORTUNITIES

- ACADEMIA
- TEACHING IN HIGH SCHOOLS
- RESEARCH CENTER
- COMPANIES
PROFESSIONAL OPPORTUNITIES IN COMPANIES

- Employment in Banks and Insurance Companies
- Modeling and Data Analysis in Economics, Marketing, Epidemiology
- Consulting and Information/Smart Technology for Business
- Consultancy as Freelancers
- Health
- Space Science