

Ph.D course in Theoretical and Scientific Data Science

Head of the Ph.D course: Prof. Roberto Trotta

Web site: [Theoretical and Scientific Data Science](#)

Research lines:

- Bayesian methods and machine learning
- Theory and applications of neural networks
- Information theory
- Unsupervised segmentation of high-dimensional data
- Statistical modelling of biomedical data and bioinformatics
- Cosmological and astrophysical data analysis and model selection
- Applications of data science to statistical mechanics, neurosciences and condensed matter physics
- Machine learning applied to Oncology

Fellowships available: 3

Admission: Academic and scientific qualifications + written exam + oral exam

Beginning of the Courses: 3 October, 2022

Evaluation of academic and scientific qualifications: 10 points

Access to Written Exam: minimum mark of 7/10 on academic and scientific qualifications

Evaluation of Written Exam: 40 points

Access to Oral Exam: minimum mark of 28/40 in the written exam evaluation

Evaluation of Oral Exam: 50 points

Total Evaluation: 100 points

Eligibility: 70 points

First Session

Deadline for online submission of applications: 21 February, 2022

Written Exam: 7 March, 2022

Oral Exam: 18 March, 2022

Second Session (only if there should still be places available after the first one)

Deadline for online submission of applications: 29 August, 2022

Written Exam: 5 September, 2022

Oral Exam: 16 September, 2022

Admission to the written exam and results of all evaluations will be notified by email.