

PhD courses 2022/2023, FCUL & IST

1st semester

FCUL

- Algebra
 - Representation Theory of Groups (D) (Carlos André)

IST

- Geometry
 - Differential Geometry (D) (Leonardo Macarini)
- Numerical Analysis and Applied Analysis
 - Mathematical and Numerical Methods in Fluid Dynamics (D) (Juha Videman)
- Logic and Computation
 - Modal Logic (D) (João Rasga)
- Probability and Statistics
 - Advanced Topics in Statistical Inference (D) (Paulo Soares)
 - Advanced Topics in Multivariate Analysis (D) (Conceição Amado)
 - Advanced Topics in Probabilities and Stochastic Processes (D) (António Pacheco)

2nd semester

FCUL

- Mathematical Analysis
 - Multi-valued Analysis and Differential Inclusions (D) (Manuel Marques)
- Algebra
 - Quantum Groups (D) (Ângela Mestre)
- Geometry and Topology
 - Riemann Surfaces and Integrable Models (D) (Davide Masoero)

IST

- Differential Equations and Dynamical Systems
 - Calculus of Variations and Partial Differential Equations (D) (Margarida Baía)
 - Discrete Dynamical Systems (D) (Pedro Martins Rodrigues)
 - Harmonic Analysis (D) (Diogo Silva)
 - Stochastic Differential Equations (D) (Ana Bela Cruzeiro)
- Geometry
 - Knot Theory (D) (Pedro Lopes)
- Mathematical Physics
 - Mathematical Relativity (D) (Pedro Girão)
 - Feynman Integral and Applications (D) (Gonçalo Oliveira)
- Real Analysis and Functional Analysis
 - Topics in Operator Theory: Riemann-Hilbert Problems (D) (Cristina Câmara)