

PhD courses 2024/2025, FCUL & IST

1st semester

FCUL

- Geometry and Topology
 - Complements of Algebraic Geometry (D) (Orlando Neto)
- Logic and Computation
 - Advanced Topics in Computational Complexity (D) (Bruno Loff)

IST

- Differential Equations and Dynamical Systems
 - Topics in Differential Equations and Dynamical Systems (D) (Hugo Tavares)
- Geometry
 - Differential Geometry (D) (João Pimentel Nunes)
 - Lie Groups and Lie Algebras (D) (Gustavo Granja)
- Mathematical Physics
 - Conformal Field Theory (D) (Ricardo Schiappa)
- Probability and Statistics
 - Advanced Topics in Multivariate Analysis (D) (Rosário Oliveira)
 - Advanced Topics in Probabilities and Stochastic Processes (D) (António Pacheco)
 - Advanced Topics in Statistical Inference (D) (Manuel Scotto)

2nd semester

FCUL

- Algebra
 - Universal Algebra and Lattices (D) (Maria João Gouveia)
- Geometry and Topology
 - Advanced Topics in Differential and Algebraic Topology (D) (Pedro Miguel Duarte)
- Mathematical Analysis
 - Functional Differential Equations and Applications (D) (Teresa Faria)
 - Theory of Ordinary Differential Equations (D) (Carlota Rebelo)

IST

- Differential Equations and Dynamical Systems
 - Bifurcation Theory in Differential Equations (D) (Henrique Oliveira)
 - Calculus of Variations and Partial Differential Equations (D) (Pedro Silva Santos)
 - Discrete Dynamical Systems (D) (João Alves)
- Mathematical Physics
 - Feynman Integral and Applications (D) (Gonçalo Oliveira)
 - Geometry and Gauge Theory (D) (Ricardo Schiappa)
 - Mathematical Relativity (D) (Jorge Silva)
 - String Theory (D) (Gabriel Lopes Cardoso)
- Numerical Analysis and Applied Analysis
 - Stochastic Differential Equations (D) (Ana Bela Cruzeiro)
- Real Analysis and Functional Analysis
 - Harmonic Analysis (D) (Giuseppe Negro)
 - Topics in Operator Theory: Riemann-Hilbert Problems (D) (Cristina Câmara)