

PhD courses 2023/2024, FCUL & IST

1st semester

FCUL

- Mathematical Analysis
 - Applied Functional Analysis (D) (James Kennedy)
- Geometry and Topology
 - Lie Groups and Lie Algebras (D) (Orlando Neto)
- Logic and Computation
 - Computational Complexity (D) (Bruno Loff)

IST

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

2nd semester

FCUL

- Mathematical Analysis
 - Optimal Transport (D) (Léonard Monsaingeon)
 - Biomathematics (D) (Carlota Rebelo)
 - Operator Semigroups and Evolution Equations (D) (James Kennedy)
 - Partial Differential Equations (D) (José Francisco Rodrigues)
- Algebra
 - Rings, Algebras and Representations (D) (Carlos André)
- Geometry and Topology
 - Advanced Topics in Geometry (D) (Carlos Florentino & Giordano Cotti)

IST

- Differential Equations and Dynamical Systems
 - Calculus of Variations and Partial Differential Equations (D) (José Matias)
 - Harmonic Analysis (D) (Diogo Silva)
 - Bifurcation Theory in Differential Equations (D) (João Teixeira Pinto)
- Geometry
 - Knot Theory (D) (Pedro Lopes)
 - Advanced Topics in Geometry (D) (Gonçalo Oliveira)
- 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)
 - Topics in Operator Algebras: Normed Jordan Algebras (D) (Lina Oliveira)
- Numerical Analysis and Applied Analysis
 - Stochastic Differential Equations (D) (Ana Bela Cruzeiro)