

Department of Mathematics: courses offered in English in summer semester 2023

Title	Institute	Lecturer	Module ID	Lecture ID	Academic Level	Credits	Department
Inverse Problems	Institute of Analysis and Algebra	Prof. Dr. Lorenz	MAT-STD6-88	MAT-STD6-012 (1295012)	Master	5	Mathematics
Mathematical Image Processing	Institute of Analysis and Algebra	Prof. Dr. Lorenz	MAT-STD7-30	MAT-STD2-054 (1298054)	Master	10	Mathematics
Introduction to Quantum Information Theory	Institute of Analysis and Algebra	Prof. Dr. Bach	MAT-STD7-54	MAT-STD7-102 (1294102)	Master	6	Mathematics
Nonnegativity and Polynomial Optimization	Institute of Analysis and Algebra	Prof. Dr. de Wolff	MAT-STD6-92	MAT-STD6-009 (1295009)	Master	10	Mathematics
Numerical Linear Algebra	Institute for Numerical Analysis	Prof. Dr. Faßbender	MAT-STD6-77	MAT-STD-223 (1299223)	Master	10	Mathematics
Model order reduction for linear time invariant systems	Institute for Numerical Analysis	Prof. Dr. Faßbender	MAT-STD7-61	MAT-STD7-124 (1294124)	Master	10	Mathematics
Algorithms and complexity for quantum computing	Institute for Mathematical Optimization	Prof. Dr. Stiller	MAT-STD7-48	MAT-STD6-005 (1295005)	Master	5	Mathematics
Optimization in Machine Learning and Data Analysis 1	Institute for Mathematical Optimization	Prof. Dr. Stiller	MAT-STD7-34	MAT-STD5-084 (1296084)	Master	5	Mathematics
Numerical methods for ordinary and partial differential equations (CSE)	Institute for Partial Differential Equations	Prof. Dr. Langemann	MAT-STD7-04	MAT-STD7-028 (1294028)	Master	5	Mathematics
Mathematics for Engineers B	Institute for Partial Differential Equations	Prof. Dr. Langemann	MAT-STD7-26	MAT-STD7-089 (1294089)	Bachelor	8	Mathematics
Stochastic processes and continuous-time financial mathematics	Institute for Mathematical Stochastics	Dr. Ghosh	MAT-ST6-61	MAT-STD3-054	Master	10	Mathematics
Ramp Up Course Mathematics		Prof. Dr. Stiller Prof. Dr. Kreiß Prof. Dr. Lorenz Prof. Dr. Bollhöfer Prof. Dr. Mücke Prof. Dr. de Wolff Prof. Dr. Kirches	MAT-STD7-58	MAT-STD7-081 (1294081)	Master	10	Mathematics