

Department of Mathematics: courses offered in English in winter semester 2022/23

Title	Institute	Lecturer	Module ID	Lecture ID	Academic Level	Credits	Department
Mathematical Foundations of Information Theory and Coding Theory	Institute for Analysis and Algebra	Prof. Dr. Volker Bach	MAT-STD7-60	1294120	Master	10	Mathematics
Dynamic Optimization	Institute for Mathematical Optimization	Prof. Dr. Christian Kirches	MAT-STD7-45	1296063	Master	10	Mathematics
Continuous Optimization in Data Science	Institute for Mathematical Optimization	Prof. Dr. Christian Kirches	MAT-STD7-42	1296100	Master	5	Mathematics
Master-Seminar Mathematical Optimization	Institute for Mathematical Optimization	Prof. Dr. Kirches/Prof. Sebastian Stiller	MAT-STD7-40	1213045	Master	4	Mathematics
Convex Analysis	Institute for Analysis and Algebra	Prof. Dirk Lorenz	MAT-STD7-18	1294053	Master	10	Mathematics
Machine Learning with Neural Networks	Institute for Analysis and Algebra	Dr. Khazhgali Kozhasov	MAT-STD7-41	1296093	Master	5	Mathematics
Algorithms for solving the Euler and Navier-Stokes equations		PD Dr. habil. Stefan Langer	MAT-STD7-09	1295027	Master	5	Mathematics
Mixed-Integer Programming	Institute for Mathematical Optimization	Dr. Andreas M. Tillmann	MAT-STD7-20	1294042	Master	5	Mathematics
Advanced Computerlab Statistical Learning	Institute for Mathematical Stochastics	Prof. Dr. Jens-Peter Kreiß / Mag. Alexander Braumann	MAT-STD-44	1294074	Master	5	Mathematics
Partial Differential Equations (CSE)	Institute for Partial Differential Equations	Prof. Dr. Carmen Gräßle	MAT-STD7-06	1294014	Master	5	Mathematics
Probabilistic Methods in Telecommunications	Institute for Mathematical Stochastics	Prof. Dr. Benedikt Jahnel	MAT-STD7-55	1294118	Master	5	Mathematics
Master seminar mathematical stochastics	Institute for Mathematical Stochastics	Prof. Dr. Benedikt Jahnel	MAT-STD7-40	1214030	Master	4	Mathematics
Master seminar numerical analysis	Institute for Numerical Analysis	Prof. Dr. Matthias Bollhöfer / Prof. Dr. Heike Faßbender	MAT-STD7-40	1299241	Master	4	Mathematics
Ordinary Differential Equations (CSE)	Institute for Partial Differential Equations	Prof. Dr. Dirk Langemann / Prof. Dr. Carmen Gräßle	MAT-STD7-05	1294013	Master	5	Mathematics
Mathematics for Engineers A (Calculus 1/Linear Algebra) - FK4	Institute for Partial Differential Equations	Prof. Dr. Dirk Langemann / Dr. Marko Stautz	MAT-STD7-25	1294083/1294086	Bachelor	4+4	Mathematics
Mathematical Foundations of Data Science	Institute for Mathematical Stochastics	Prof. Dr. Nicole Mücke	MAT-STD7-49	1294079	Master	10	Mathematics
Statistical methods: Optimally and high dimensionality	Institute for Mathematical Stochastics	Prof. Yana Kinderknecht	MAT-STD7-39	1210052	Master	10	Mathematics