

## Mathematics and Statistics

Sem.	Title	Course Type	Hours per week	ECTS Credits	Language
WS	Analytical Combinatorics	Lecture	2	3	E
WS	Information Systems	Combined C.	2	3	E
WS	Computer Algebra	Combined C.	3	4,5	E
WS	Mathematical Logic 1	Lecture	4	6	E
WS	Mathematical Logic 1	Tutorial	1	1,5	E
WS	Logic Programming	Combined C.	2	3	E
WS	Special Topics	Lecture	2	3	E
WS	Project seminar	Seminar	2	3	E
WS	Analytical Combinatorics	Tutorial	1	1,5	E
WS	Lecture Series Symbolic Computation	Lecture	1	1,5	E
WS	Programming Project Symbolic Computation	Combined C.	2	3	E
WS	Thinking, Speaking, Writing	Lecture	2	3	E
WS	Learning and Teaching Math.with Computer Algebra Systems	Combined C.	2	2,6	E
WS	Computability Theory	Lecture	2	3	E
WS	Project Seminar	Seminar	2	3	E
WS	Seminar	Seminar	2	3	E
WS	Numerical Analysis	Combined C.	2	3	E
WS	Numerical Methods for Partial Differential Equations	Lecture	4	6	E
WS	Numerical Methods for Partial Differential Equations	Tutorial	2	3	E
WS	Probability Theory II	Lecture	4	8	G/E
WS	Mathematical Statistics II	Combined C.	4	8	G/E
SS	Inverse Problems	Lecture	2	3	G/E
SS	Inverse Problems	Tutorial	1	11,5	G/E
SS	Mathematical Methods in Electrical Engineering	Tutorial	1	1,5	G/E
SS	Mathematical Methods in Electrical Engineering	Lecture	2	3	G/E
SS	Industrial Mathematics	Seminar	2	3	G/E
SS	Singular Integrals and Potential Theory	Tutorial	1	1,5	G/E
SS	Singular Integrals and Potential Theory	Seminar	2	3	G/E
SS	Fourier Integral Operators	Seminar	2	3	G/E
SS	Functional Analysis	Seminar	2	3	G/E
SS	Lorentz Geometry	Seminar	2	3	G/E
SS	Analysis	Seminar	2	3	G/E
SS	Number Theory	Seminar	2	3	G/E
SS	Algorithmic Number Theory	Lecture	2	3	G/E
SS	Algorithmic Number Theory	Tutorial	1	1,5	G/E
SS	Mathematical Models in the Economic Sciences	Lecture	2	3	G/E
SS	Mathematical Models in the Economic Sciences	Seminar	2	3	G/E
SS	Stochastic Differential Equations	Lecture	2	3	G/E
SS	Stochastic Differential Equations	Tutorial	1	1,5	G/E

Sem.	Title	Course Type	Hours per week	ECTS Credits	Language
SS	Special Topics	Lecture	2	3	G/E
SS	Special Topics	Tutorial	1	1,5	G/E
SS	Project Seminar Computer Algebra II	Seminar	2	3	E
SS	Project Seminar Automated Theorem Proving II	Seminar	2	3	E
SS	Project Seminar Formal Methods II	Seminar	2	3	E
SS	Lecture Series Symbolic Computation	Lecture	1	1,5	E
SS	Programming Project Symbolic Computation	Combined C.	2	3	E
SS	Project Seminar Algorithmic Combinatorics II	Seminar	2	3	E
SS	Set Theory and Logical Foundations II	Seminar	2	3	E
SS	Special Topics	Lecture	2	3	E
SS	Commutative Algebra and Algebraic Geometry	Lecture	4	6	E
SS	Commutative Algebra and Algebraic Geometry	Tutorial	1	1,5	E
SS	Algorithmic Combinatorics	Lecture	2	3	E
SS	Algorithmic Combinatorics	Tutorial	1	1,5	E
SS	Decidibility and Complexity Classes	Lecture	2	3	E
SS	Functional Programming	Combined C.	2	3	E
SS	Computer-Algebra I	Seminar	2	3	E
SS	Numerical Methods for Elliptic Equations	Lecture	4	6	G/E
SS	Numerical Methods for Elliptic Equations	Tutorial	2	3	G/E
SS	Numerical Methods in Continuum Mechanics 1	Lecture	2	3	G/E
SS	Numerical Methods in Continuum Mechanics 2	Tutorial	1	1,5	G/E
SS	Combinatorial Optimization	Lecture	2	3	G/E
SS	Combinatorial Optimization	Tutorial	1	1,5	G/E
SS	Project Seminar Numerical Analysis	Seminar	2	3	G/E
SS	Special Topics	Lecture	2	3	G/E
SS	Differential Geometry	Tutorial	1	1,5	G/E
SS	Differential Geometry	Lecture	2	3	G/E
SS	Algebraic Spline Curves and Surfaces	Seminar	2	3	G/E
SS	Computer-Aided Geometric Design	Lecture	2	3	G/E
SS	Computer-Aided Geometric Design	Tutorial	1	1,5	G/E
SS	Project Seminar Fuzzy Logic	Seminar	2	3	G/E
SS	Recent Publications in Fuzzy Logic	Seminar	2	3	G/E
SS	Algebra	Seminar	2	3	G/E
SS	Algebra (Algebraic Methods in Cryptography)	Seminar	2	3	E
SS	Analysis of Time Series Data	Course	2	4	G/E
SS	Computational Statistics	Practical C.	2	4	G/E
SS	Stochastic Processes	Combined C.	2	4	G/E
SS	Nonparametric Methods	Combined C.	2	4	G/E