

Focus D - Geometry and Topology - Model 1

Start: Winter Semester

Sem.	Lecture Courses Area I	Lecture Courses Area II	Lecture Courses Area III	Graduate Seminars (GS)	Master's Thesis	Electives	CP
1	[V4D1] [9] Algebraic Topology I	[V4A3] [9] Representation Theory I	[V4E1] [9] Numerical Algorithms	[S4D2] [6] GS on Topology			33
2	[V4D2] [9] Algebraic Topology II	[V4A4] [9] Representation Theory II		[S4A2] [6] GS on Representation Th.		[P4G1] [9] Pract. Teaching Course	33
3	[V5D1] [7] Adv. Top. in Topology				[T5G1] [30] Master's Thesis		25
4	[V5D4] [5] Sel. Top. in Geometry				[S5G1] [6] Master's Thesis Seminar	[MA-INF 2205] [6] Geometry Processing I	29

Focus D - Geometry and Topology - Model 2

Start: Summer Semester

Sem.	Lecture Courses Area I	Lecture Courses Area II	Lecture Courses Area III	Graduate Seminars (GS)	Master's Thesis	Electives	CP
1	[F4D1-3] [9] F-Ana. & Geo. on Manifolds		[V4F2] [9] Markov Processes	[S4B2] [6] GS on PDE		[Econ.] [7,5] Game Theory	31,5
2	[V4D3] [9] Advanced Geometry I	[V4A5] [9] Advanced Algebra I		[S4D3] [6] GS on Adv. Geometry			24
3	[V4D4] [9] Advanced Geometry II	[V4A6] [9] Advanced Algebra II			[T5G1] [30] Master's Thesis		36
4	[V5D4] [5] Sel. Top. in Geometry	[V5A1] [7] Adv. Top. in Algebra			[S5G1] [6] Master's Thesis Seminar		30

The detailed study plans represent some of the possibilities and demonstrate the academic feasibility of the various options. The row numbers indicate the consecutive semesters. The numbers in brackets and in the last column represent the credit points (CP). Only the Master's Thesis and Master's Thesis Seminar are obligatory.