

Focus C - Discrete Mathematics
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	[V4C1] [9] Combinatorial Optimization	[F4A1-3] [9] F-Representation Theory	[V4F2] [9] Markov Processes				27
2	[V4C3] [9] Chip Design	[V5A7] [7] Adv. Top. in Math. Logic	[V4C2] [9] Approximation Algorithms	[S4C1] [6] GS on Discrete Optimization			31
3	[V5C1] [7] Adv. Top. in Discrete Math.			[S4C2] [6] GS on Applied Comb. Optimiz.	[T5G1] [30] Master's Thesis	[P4C2] [9] Algorithms for Chip Design	40
4	[V5C2] [5] Sel. Top. in Discrete Math.				[S5G1] [6] Master's Thesis Seminar		23

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.