Example Study Plans Master's Degree Program Mathematics

Focus B - Analysis and Differential Equations - 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	[V4B1] [9] Nonlinear PDE I	[V4F2] [9] Markov Processes				[P4E1] [9] Practical Lab Numerical Simulation	27
2	[V4B2] [9] Nonlinear PDE II	[V5F1] [7] Adv. Top. in Probability Th.	[V4C2] [9] Approximation Algorithms	[S4B2] [6] GS on PDE			31
3	[V5B1] [7] Adv. Top. in Analysis & PDE			[S4F6] [6] GS on Math. Biology	[T5G1] [30] Master's Thesis		31
4	[V5B8] [5] Sel. Top. in Analysis				[S5G1] [6] Master's Thesis Seminar	[phys420] [9] Theoretische Physik III	32

Focus B - Analysis and Differential Equations - Model 2
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	[V4B3] [9] Adv. Global Analysis I	[V4D1] [9] Algebraic Topology I	[V4A5] [9] Advanced Algebra I				27
2	[V4B4] [9] Adv. Global Analysis II	[V5D1] [7] Adv. Top. in Topology		[S4B3] [6] GS on Global Analysis		[P4G1] [9] Pract. Teaching Course	31
3	[V5B3] [7] Adv. Top. in PDE & Math. Models			[S4D2] [6] GS on Topology	[T5G1] [30] Master's Thesis		31
4	[V5B6] [5] Sel. Top. in Analysis & Calc. of Var.				[S5G1] [6] Master's Thesis Seminar	[P4G2] [9] External Internship	32

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.