

Model 1: Focus A - Algebra

1	V1G1 [9] Analysis I (4+4 SWS)	V1G3 [9] Lineare Algebra I (4+4 SWS)	V1G5 [9] Algorithmische Mathematik I (4+4 SWS)				27
2	V1G2 [9] Analysis II (4+2 SWS)	V1G4 [9] Lineare Algebra (4+2 SWS)	V1G6 [9] Algorithmische Mathematik II (4+2 SWS)	S1G1 [6] Seminar			33
3	V2A1 [9] Einführung in die Algebra (4+2 SWS)	V2B1 [9] Analysis III (4+2 SWS)	V2E1 [9] Einf. in die Grund- lagen der Numerik (4+2 SWS)			BA-Inf 035 [6] Datenzentrierte Informatik (2+2 SWS)	33
4	V3A1 [9] Algebra I (4+2 SWS)	V2B3 [9] Einführung in die Komplexe Analysis (4+2 SWS)				BA-Inf 016 [9] Algorithmen und Programmierung (4+2 SWS)	27
5	V3A2 [9] Algebra II (4+2 SWS)			S2A1 [6] Hauptseminar Algebra	P2G1 [9] Tutorenpraktikum	BA-Inf 110 [9] Grundlagen der KI (4+2 SWS)	33
6	V3C1 [9] Lineare und Ganz- zahl. Optimierung (4+2 SWS)		T3G1 [12] Bachelorarbeit	S3G1 [6] Begleitseminar zur Bachelorarbeit			27

Model 2: Focus A - Logic

1	V1G1 [9] Analysis I (4+4 SWS)	V1G3 [9] Lineare Algebra I (4+4 SWS)	V1G5 [9] Algorithmische Mathematik I (4+4 SWS)				27
2	V1G2 [9] Analysis II (4+2 SWS)	V1G4 [9] Lineare Algebra (4+2 SWS)	V1G6 [9] Algorithmische Mathematik II (4+2 SWS)				27
3	V2A2 [9] Einführung in die Math. Logik (4+2 SWS)		V2F1 [9] Einf. in die Wahr- scheinlichkeith. (4+2 SWS)	S2A2 [6] Hauptseminar Math. Logik		phys111 [7] Physik I (4+2 SWS)	31
4	V3A5 [9] Mathematische Logik (4+2 SWS)	V2B1 [9] Analysis III (4+2 SWS)			P2G1 [9] Tutorenpraktikum	phys220 [9] Theoretische Physik I (4+2 SWS)	36
5		V2B2 [9] Einf. in die Part. Differentialgleich. (4+2 SWS)	V2D1 [9] Einf. in die Geome- trie und Topologie (4+2 SWS)	S2B2 [6] Hauptseminar PDE		phys320 [9] Theoretische Physik II (4+2 SWS)	33
6			T3G1 [12] Bachelorarbeit	S3G1 [6] Begleitseminar zur Bachelorarbeit	P2A1 [9] Praktikum Math. Logik		27

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- blue = secondary subject modules

Model 3: Focus B - Differential Equations

1	V1G1 [9] Analysis I (4+4 SWS)	V1G3 [9] Lineare Algebra I (4+4 SWS)	V1G5 [9] Algorithmische Mathematik I (4+4 SWS)				27
2	V1G2 [9] Analysis II (4+2 SWS)	V1G4 [9] Lineare Algebra (4+2 SWS)	V1G6 [9] Algorithmische Mathematik II (4+2 SWS)	S1G1 [6] Seminar			33
3	V2B1 [9] Analysis III (4+2 SWS)	V2F1 [9] Einf. in die Wahr- scheinlichkeitsth. (4+2 SWS)	V2E1 [9] Einf. in die Grund- lagen der Numerik (4+2 SWS)			phys111 [7] Physik I (4+2 SWS)	34
4	V2B2 [9] Einf. in die Part. Differentialgleich. (4+2 SWS)	V3F1 [9] Stochastische Prozesse (4+2 SWS)		S2B2 [6] Hauptseminar PDE		phys211 [7] Physik II (4+2 SWS)	31
5	V3B1 [9] Partielle DG und Funktionalanalysis (4+2 SWS)				P2G2 [9] Industriepraktikum	phys311 [7] Physik III (4+2 SWS)	25
6	V2D1 [9] Einf. in die Geome- trie und Topologie (4+2 SWS)		T3G1 [12] Bachelorarbeit	S3G1 [6] Begleitseminar zur Bachelorarbeit		phys261 [3] Praktikum Mecha- nik, Wärmelehre	30

Model 4: Focus B - Global Analysis

1	V1G1 [9] Analysis I (4+4 SWS)	V1G3 [9] Lineare Algebra I (4+4 SWS)	V1G5 [9] Algorithmische Mathematik I (4+4 SWS)				27
2	V1G2 [9] Analysis II (4+2 SWS)	V1G4 [9] Lineare Algebra (4+2 SWS)	V1G6 [9] Algorithmische Mathematik II (4+2 SWS)			BWL IuF [7,5] Investition und Finanzierung	34,5
3	V2B1 [9] Analysis III (4+2 SWS)	V2E1 [9] Einf. in die Grund- lagen der Numerik (4+2 SWS)	V2F1 [9] Einf. in die Wahr- scheinlichkeitsth. (4+2 SWS)			VWL G [7,5] Grundzüge der Volkswirtschafts- lehre	34,5
4	V2B3 [9] Einf. in die Komp- lexe Analysis (4+2 SWS)	V2E2 [9] Einführung in die Numerik (4+2 SWS)	V2D1 [9] Einf. in die Geome- trie und Topologie (4+2 SWS)				27
5	V3B3 [9] Globale Analysis (4+2 SWS)			S2B3 [6] Hauptseminar Globale Analysis	P2G2 [9] Industriepraktikum	VWL Mik A [7,5] Mikroökonomik A	31,5
6			T3G1 [12] Bachelorarbeit	S3G1 [6] Begleitseminar zur Bachelorarbeit		VWL AuM [7,5] Auktionen und Märkte	25,5

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Model 5: Focus C - Discrete Mathematics

1	V1G1 [9] Analysis I (4+4 SWS)	V1G3 [9] Lineare Algebra I (4+4 SWS)	V1G5 [9] Algorithmische Mathematik I (4+4 SWS)				27
2	V1G2 [9] Analysis II (4+2 SWS)	V1G4 [9] Lineare Algebra (4+2 SWS)	V1G6 [9] Algorithmische Mathematik II (4+2 SWS)	S1G1 [6] Seminar			33
3	V2C1 [9] Einf. in die Diskrete Mathematik (4+2 SWS)	V2A1 [9] Einführung in die Algebra (4+2 SWS)	V2B1 [9] Analysis III (4+2 SWS)			BA-Inf 101 [6] Verteilte Systeme (2+2 SWS)	33
4	V3C1 [9] Lineare & Ganz- zahl. Optimierung (4+2 SWS)	V3A1 [9] Algebra I (4+2 SWS)				BA-Inf 110 [9] Grundlagen KI (4+2 SWS)	27
5	V3C2 [9] Kombinatorik, Graphen, Matroide (4+2 SWS)		V2E1 [9] Einf. in die Grund- lagen der Numerik (4+2 SWS)	S2C1 [6] Hauptseminar Diskrete Optimierung		BA-Inf 110 [9] Algorithmen und Programmierung (4+2 SWS)	33
6			T3G1 [12] Bachelorarbeit	S3G1 [6] Begleitseminar zur Bachelorarbeit	P2C1 [9] Praktikum Diskr. Optimierung		27

Model 6: Focus D - Geometry and Topology

1	V1G1 [9] Analysis I (4+4 SWS)	V1G3 [9] Lineare Algebra I (4+4 SWS)	V1G5 [9] Algorithmische Mathematik I (4+4 SWS)				27
2	V1G2 [9] Analysis II (4+2 SWS)	V1G4 [9] Lineare Algebra (4+2 SWS)	V1G6 [9] Algorithmische Mathematik II (4+2 SWS)			VWL G [7,5] Grundzüge der Volkswirtschafts- lehre	34,5
3	V2A1 [9] Einführung in die Algebra (4+2 SWS)	V2B1 [9] Analysis III (4+2 SWS)	V2E1 [9] Einf. in die Grund- lagen der Numerik (4+2 SWS)			BWL TdU [7,5] Theorie der Unternehmung	34,5
4	V2D1 [9] Einf. in die Geome- trie und Topologie (4+2 SWS)	V2B3 [9] Einf. in die Komp- lexe Analysis (4+2 SWS)			P2C1 [9] Tutorenpraktikum		27
5	V3D3 [9] Grdz. Anal. & Geo. auf Mannigfaltigk. (4+2 SWS)		T3G1 [12] Bachelorarbeit	S2D1 [6] Hauptseminar Geometrie		VWL UOE [7,5] Umweltökonomik	28,5
6	V3D4 [9] Geometrie (4+2 SWS)			S3G1 [6] Begleitseminar zur Bachelorarbeit		VWL Mak B [7,5] Makroökonomik B	28,5

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Model 7: Focus E - Numerical Mathematics and Scientific Computing

1	V1G1 [9] Analysis I (4+4 SWS)	V1G3 [9] Lineare Algebra I (4+4 SWS)	V1G5 [9] Algorithmische Mathematik I (4+4 SWS)				27
2	V1G2 [9] Analysis II (4+2 SWS)	V1G4 [9] Lineare Algebra (4+2 SWS)	V1G6 [9] Algorithmische Mathematik II (4+2 SWS)			BWL IuF [7,5] Investition und Finanzierung	34,5
3	V2E1 [9] Einf. in die Grund- lagen der Numerik (4+2 SWS)	V2F1 [9] Einf. in die Wahr- scheinlichkeitsth. (4+2 SWS)	V2B1 [9] Analysis III (4+2 SWS)			VWL G [7,5] Grundzüge der Volkswirtschafts- lehre	34,5
4	V2E2 [9] Einf. in die Nume- rische Mathematik (4+2 SWS)		V2D1 [9] Einf. in die Geome- trie und Topologie (4+2 SWS)		P2E1 [9] Praktikum Numeri- sche Algorithmen		27
5	V3E1 [9] Wissenschaftliches Rechnen I (4+2 SWS)		T3G1 [12] Bachelorarbeit	S2E1 [6] Hauptseminar Wissenschaftliches Rechnen		VWL IBL [7,5] Internationale Bankleistungen	28,5
6		V2F2 [9] Einf. in die Statistik (4+2 SWS)		S3G1 [6] Begleitseminar zur Bachelorarbeit		VWL Mik A [7,5] Mikroökonomik A	28,5

Model 8: Focus F - Probability and Stochastic Analysis

1	V1G1 [9] Analysis I (4+4 SWS)	V1G3 [9] Lineare Algebra I (4+4 SWS)	V1G5 [9] Algorithmische Mathematik I (4+4 SWS)				27
2	V1G2 [9] Analysis II (4+2 SWS)	V1G4 [9] Lineare Algebra (4+2 SWS)	V1G6 [9] Algorithmische Mathematik II (4+2 SWS)			BA-Inf 023 [6] Systemnahe Informatik (2+2 SWS)	33
3	V2F1 [9] Einf. in die Wahr- scheinlichkeitsth. (4+2 SWS)	V2B1 [9] Analysis III (4+2 SWS)	V2E1 [9] Einf. in die Grund- lagen der Numerik (4+2 SWS)				27
4			V2D1 [9] Einf. in die Geome- trie und Topologie (4+2 SWS)	S2F1 [6] Hauptseminar Stochastik	P2G1 [9] Tutorenpraktikum	BA-Inf 105 [9] Computergrafik und Visualisierung (4+2 SWS)	33
5	V3F1 [9] Stochastische Prozesse (4+2 SWS)	V3B1 [9] PDG & Funktional- analysis (4+2 SWS)		S2F2 [6] Hauptseminar Stoch. Prozesse / Stoch. Analysis		BA-Inf 112 [9] Grdl. der digitalen Signalverarbeitung (4+2 SWS)	33
6	V3F2 [9] Grdz. der Stochas- tischen Analysis (4+2 SWS)		T3G1 [12] Bachelorarbeit	S3G1 [6] Begleitseminar zur Bachelorarbeit			27

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