

Description of Module guest studies

079 Computer Science

PO-Version 2020

Contents summary

FMI-BI0001	3D Structures of Biological Makromolecules	8
FMI-BI0002	Algorithmic Phylogenetics	9
FMI-BI0003	Introduction to Bioinformatics I	10
FMI-BI0004	Introduction to Bioinformatics II	11
FMI-BI0005	Fundamentals of Systems Biology	12
FMI-BI0006	Mathematical Biology I	13
FMI-BI0007	Project Data Mining and Sequence Analysis	14
FMI-BI0008	Computational mass spectrometry	15
FMI-BI0009	Sequence Analysis	16
FMI-BI0011	Computational Genomics	17
FMI-BI0012	Gene Expression Analysis	18
FMI-BI0013	Job and career for Bioinformaticians	19
FMI-BI0015	Metabolic and regulatory networks	20
FMI-BI0017	Logic of living systems	21
FMI-BI0019	Optimality principles in evolution	22
FMI-BI0020	Project modul	23
FMI-BI0021	Seminar Bioinformatics 1	24
FMI-BI0022	Seminar Bioinformatics 2	25
FMI-BI0023	Seminar Bioinformatics 3	26
FMI-BI0024	Seminar Bioinformatics 4	27
FMI-BI0025	Evolutionary Algorithms	28
FMI-BI0043	High Throughput Sequencing Methods	29
FMI-BI0044	Systems Biology of Immunolgy	30
FMI-BI0046	RNA Bioinformatics (theoretical chapter)	31
FMI-BI0047	RNA Bioinformatics - Practical Course	32
FMI-BI0048	Scripting languages and their applications	33
FMI-BI0049	High Throughput Sequencing Methods - Practical Course	34
FMI-BI0050	Molecular Algorithm	35
FMI-BI0052	Applied systems biology taking biological clocks as example	36
FMI-BI0053	Image-based Systems Biology	37
FMI-BI0054	Viral Bioinformatics	38

FMI-BI0055	Proseminar Bioinformatics	39
FMI-BI0056	Proseminar Bioinformatics	40
FMI-BI0057	Introduction to LaTeX for scientists	41
FMI-BI0058	Scripting languages in applied bioinformatics	42
FMI-BI0059	Basic Bioinformatical Applications	43
FMI-IN0001	Algorithms and Data Structures	44
FMI-IN0005	Automata and Computability	45
FMI-IN0006	Computability and Complexity	46
FMI-IN0008	Database Systems I	47
FMI-IN0009	Database Systems II	48
FMI-IN0011	Database Systems Specialization	49
FMI-IN0013	Discrete Structures I	50
FMI-IN0014	Discrete Structures II	51
FMI-IN0016	Introduction to Visual Computing	52
FMI-IN0017	Introduction to Artificial Intelligence	53
FMI-IN0018	Introduction to Artificial Neural Networks	54
FMI-IN0021	Foundations of Information- and Softwaresystems	55
FMI-IN0023	Theory and Practice of Constraint Programming	56
FMI-IN0025	Foundations of Computational Problem Solving	57
FMI-IN0027	Softwareengineering	58
FMI-IN0028	Computational Complexity - 6 CP	59
FMI-IN0030	Cryptology	60
FMI-IN0031	Computational Complexity	61
FMI-IN0032	Literature research and presentation	62
FMI-IN0033	Logical Systems	63
FMI-IN0034	Machine Learning and Datamining	64
FMI-IN0036	Pattern Recognition	65
FMI-IN0042	Practical Course Programming	66
FMI-IN0044	Project Intelligent Systems	67
FMI-IN0045	Project Management	68
FMI-IN0046	Computer Vision I	69
FMI-IN0048	Computer Vision II	70
FMI-IN0049	Seminar Computer Vision	71
FMI-IN0050	Seminar Algorithmics	72
FMI-IN0051	Project in applied Softwaredevelopment	73
FMI-IN0052	Softwareengineering Specialization I	74
FMI-IN0053	Softwareengineering Specialization II	75
FMI-IN0055	System Software	76
FMI-IN0058	Distributed Systems Specialization I	77
FMI-IN0059	Distributed Systems Specialization II	78

FMI-IN0060	Distributed Systems and Web Development	79
FMI-IN0062	Motion Computation from Image Sequences	80
FMI-IN0067	Mobile Code	81
FMI-IN0075	Object-oriented Programming	82
FMI-IN0076	Declarative Programming	83
FMI-IN0078	Information systems in mobile and wireless environments	84
FMI-IN0082	Logic and Provability	85
FMI-IN0083	Signal Oriented Image Processing	86
FMI-IN0084	State Estimation and Action Selection	87
FMI-IN0085	Recent Advances in Computer Vision	88
FMI-IN0086	Tools for Pattern Recognition and Machine Learning	89
FMI-IN0095	Computational Geometry I	90
FMI-IN0096	Algorithmic Foundations of Machine Learning	91
FMI-IN0102	Algorithm Engineering Lab	92
FMI-IN0104	Seminar Algorithmics	93
FMI-IN0111	Practical 3-D Computer Vision	94
FMI-IN0113	Seminar Software and Information Systems	95
FMI-IN0119	Algorithm Engineering	96
FMI-IN0121	IT Security	97
FMI-IN0125	Automatic Differentiation	98
FMI-IN0126	High-Performance Computing	99
FMI-IN0131	(Semantic) Data and Process Integration	100
FMI-IN0134	Visual object recognition	101
FMI-IN0136	Parallel Computing I	102
FMI-IN0137	Parallel Computing II	103
FMI-IN0138	Vizualisation - 6 BP	104
FMI-IN0139	Elements of Computational and Data Science	105
FMI-IN0140	Management of Scientific Data	106
FMI-IN0141	Big Data	107
FMI-IN0144	Advanced Labs for Computer Science	108
FMI-IN0152	Thinking Parallel	109
FMI-IN0153	Thinking Parallel in Practice	110
FMI-IN0156	Introductory Course on Deep Learning	111
FMI-IN0157	Statistical Learning Theory (Lab)	112
FMI-IN0158	Proof Complexity and Solving	113
FMI-IN0159	Proof Complexity and Solving LAB	114
FMI-IN0160	Computational Complexity LAB	115
FMI-IN0162	Cryptology LAB	116
FMI-IN0163	Project - Parallel Computing	117
FMI-IN0165	Medical Visualization	118

FMI-IN0166	Computer Graphics	119
FMI-IN0168	Computer Graphics 2	120
FMI-IN0169	Seminar High-Performance Computing	121
FMI-IN0206	Companion Seminar for Computer Science Events	122
FMI-IN0208	Essentials and Techniques of Network Analysis	123
FMI-IN0211	Teaching and Learning of Computer Science	124
FMI-IN0212	Introduction to Business Process Modeling and Management	125
FMI-IN1009	Structural Programming - 9 CP	126
FMI-IN2000	Database and Information Systems	127
FMI-IN3003	Seminar	128
FMI-IN3004	Mathematics for School-Teachers	129
FMI-IN3008	Software and System Development	130
FMI-IN3011	Informatics and Society	131
FMI-IN3201	Master Module Computer Visualistics I - 3 CP	132
FMI-IN3202	Master Module Computer Visualistics II - 3 CP	133
FMI-IN3209	Master Module Computer Visualistics I - 6 CP	134
FMI-IN3210	Master Module Computer Visualistics II - 6 CP	135
FMI-IN3217	Master Module Computer Visualistics V - 6 CP	136
FMI-IN3221	Master Module Data Science I - 3 CP	137
FMI-IN3222	Master Module Data Science II - 3 CP	138
FMI-IN3229	Master Module Data Science I - 6 CP	139
FMI-IN3230	Master Module Data Science II - 6 CP	140
FMI-IN3237	Master Module Data Science I - 9 CP	141
FMI-IN3238	Master Module Data Science II - 9 CP	142
FMI-IN3241	Master Module Artificial Intelligence I - 3 CP	143
FMI-IN3242	Master Module Artificial Intelligence II - 3 CP	144
FMI-IN3249	Master Module Artificial Intelligence I - 6 CP	145
FMI-IN3250	Master Module Artificial Intelligence II - 6 CP	146
FMI-IN3257	Master Module Data Science I - 9 CP	147
FMI-IN3261	Master Module Machine Learning I - 3 CP	148
FMI-IN3262	Master Module Machine Learning II - 3 CP	149
FMI-IN3267	Master Module Machine Learning I - 6 CP	150
FMI-IN3268	Master Module Machine Learning II - 6 CP	151
FMI-IN3277	Master Module Machine Learning I - 9 CP	152
FMI-IN3278	Master Module Machine Learning II - 9 CP	153
FMI-IN3301	Master Module Computational Science I - 3 CP	154
FMI-IN3302	Master Module Computational Science II - 3 CP	155
FMI-IN3307	Master Module Computational Science I - 6 CP	156
FMI-IN3308	Master Module Computational Science II - 6 CP	157
FMI-IN3313	Master Module Computational Science I - 9 CP	158

FMI-IN3314	Master Module Computational Science II - 9 CP	159
FMI-IN3316	Master Module Computer Vision I - 3 CP	160
FMI-IN3317	Master Module Computer Vision II - 3 CP	161
FMI-IN3323	Master Module Computer Vision I - 6 CP	162
FMI-IN3324	Master Module Computer Vision II - 6 CP	163
FMI-IN3328	Master Module Computer Vision I - 9 CP	164
FMI-IN3329	Master Module Computer Vision II - 9 CP	165
FMI-IN3331	Master Module High-Performance Computing I - 3 CP	166
FMI-IN3332	Master Module High-Performance Computing II - 3 CP	167
FMI-IN3337	Master Module High-Performance Computing I - 6 CP	168
FMI-IN3338	Master Module High-Performance Computing II - 6 CP	169
FMI-IN3343	Master Module High-Performance Computing I - 9 CP	170
FMI-IN3344	Master Module High-Performance Computing II - 9 CP	171
FMI-IN3346	Master Module Information and Software Systems I - 3 CP	172
FMI-IN3347	Master Module Information and Software Systems II - 3 CP	173
FMI-IN3353	Master Module Information and Software Systems I - 6 CP	174
FMI-IN3354	Master Module Information and Software Systems II - 6 CP	175
FMI-IN3358	Master Module Information and Software Systems I - 9 CP	176
FMI-IN3359	Master Module Information and Software Systems II - 9 CP	177
FMI-IN3361	Master Module Programming Languages and Programming I - 3 CP	178
FMI-IN3362	Master Module Programming Languages and Programming II - 3 CP	179
FMI-IN3368	Master Module Programming Languages and Programming I - 6 CP	180
FMI-IN3369	Master Module Programming Languages and Programming II - 6 CP	181
FMI-IN3374	Master Module Programming Languages and Programming I - 9 CP	182
FMI-IN3376	Master Module System Software I - 3 CP	183
FMI-IN3377	Master Module System Software II - 3 CP	184
FMI-IN3383	Master Module Programming System Software I - 6 CP	185
FMI-IN3384	Master Module Programming System Software II - 6 CP	186
FMI-IN3388	Master Module System Software I - 9 CP	187
FMI-IN3389	Master Module System Software II - 9 CP	188
FMI-IN3401	Master Module Algorithms I - 3 CP	189
FMI-IN3402	Master Module Algorithms II - 3 CP	190
FMI-IN3407	Master Module Algorithms I - 6 CP	191
FMI-IN3408	Master Module Algorithms II - 6 CP	192
FMI-IN3415	Master Module Algorithms I - 9 CP	193
FMI-IN3416	Master Module Algorithms II - 9 CP	194
FMI-IN3421	Master Module Computational Complexity I - 3 CP	195
FMI-IN3422	Master Module Computational Complexity II - 3 CP	196
FMI-IN3427	Master Module Computational Complexity I - 6 CP	197
FMI-IN3428	Master Module Computational Complexity II - 6 CP	198

FMI-IN3435	Master Module Computational Complexity I - 9 CP	199
FMI-IN3436	Master Module Computational Complexity II - 9 CP	200
FMI-IN3441	Master Module Learning Theory I - 3 CP	201
FMI-IN3442	Master Module Learning Theory II - 3 CP	202
FMI-IN3447	Master Module Learning Theory I - 6 CP	203
FMI-IN3448	Master Module Learning Theory II - 6 CP	204
FMI-IN3455	Master Module Learning Theory I - 9 CP	205
FMI-IN3456	Master Module Learning Theory II - 9 CP	206
FMI-IN3461	Master Module Logic I - 3 CP	207
FMI-IN3462	Master Module Logic II - 3 CP	208
FMI-IN3467	Master Module Logic I - 6 CP	209
FMI-IN3468	Master Module Logic II - 6 CP	210
FMI-IN3475	Master Module Logic I - 9 CP	211
FMI-IN3476	Master Module Logic II - 9 CP	212
FMI-IN3801	Master Module Seminar I	213
FMI-IN3802	Master Module Seminar II	214
FMI-IN3811	Master Module Project I - 3 CP	215
FMI-IN3812	Master Module Project II - 3 CP	216
FMI-IN3814	Master Module Project I - 6 CP	217
FMI-IN3815	Master Module Project II - 6 CP	218
FMI-IN4001	Didactics for Informatics A	219
FMI-MA0007	Introduction to Probability Theory	220
FMI-MA0017	Basic Calculus	221
FMI-MA0022	Linear Algebra	222
FMI-MA0029	Numerical Analysis - 6 CP	223
FMI-MA0244	Ordinary Differential Equations	224
FMI-MA0520	Numerical Methods of Boundary Value Problems - 9 CP	225
FMI-MA0521	Numerical Methods of Boundary Value Problems - 6 CP	226
FMI-MA0601	Linear Optimization	227
FMI-MA0642	Introduction to Discrete Optimization	228
FMI-MA0644	Introduction to Continuous Optimization	229
FMI-MA0741	Statistical Methods	230
FMI-MA0904	Business Skills A	231
FMI-MA0905	Business Skills B	232
FMI-SQ0101	ASQ Module Programming Languages and Programming I - 3 CP	233
FMI-SQ0102	ASQ Module Programming Languages and Programming II - 3 CP	234
FMI-SQ0105	ASQ Module Programming Languages and Programming I - 6 CP	235
FMI-SQ0106	ASQ Module Programming Languages and Programming II - 6 CP	236
FMI-SQ0121	ASQ Module Scripting Languages I - 4 CP	237
FMI-SQ0122	ASQ Module Scripting Languages II - 4 CP	238

FMI-SQ0125	ASQ Module Introduction to LaTeX for Scientists	239
FMI-SQ0130	Data Analysis with R	240
FMI-SQ0131	ASQ Module Functional Programming	241
FMI-SQ0201	ASQ Module Business Skills I - 3 CP	242
FMI-SQ0202	ASQ Module Business Skills II - 3 CP	243
FMI-SQ0211	ASQ Module Project Management	244
FMI-SQ0301	ASQ Module Number Feeling and Structure Feeling - 3 CP	245
FMI-SQ0302	ASQ Module Number Feeling and Structure Feeling - 6 CP	246
FMI-SQ0303	Go - a mathematical strategic board game	247
FMI-SQ0501	ASQ Module Informatics and Society	248
MED-MDS001	Medical Basics	249
MED-MDS002	Analysis of Medical Data and Signals	250
MED-MDS003	Medical Imaging Systems and Image Processing	251
MED-MDS004	Applied Medical Statistics	252
MED-MDS005	Clinical Applications	253
	Abbreviations	254

Note : Please note that you can find the information on examinations, courses corresponding to the examinations, and examination dates in the portal Friedolin under the menu item 'Browse module descriptions'. After logging in, please choose your degree, your study programme, and respective module. Any immediate changes made will be displayed promptly.

Modul FMI-BI0001 3D Structures of Biological Makromolecules	
Module code	FMI-BI0001
Module title (German)	3D-Strukturen biologischer Makromoleküle
Module title (English)	3D Structures of Biological Makromolecules
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-BI0002 Algorithmic Phylogenetics	
Module code	FMI-BI0002
Module title (German)	Algorithmische Phylogenetik
Module title (English)	Algorithmic Phylogenetics
Frequency of offer (how often is the module offered?)	Every second year (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	75 h
- Independent studying (incl. preparations for examination)	105 h

Modul FMI-BI0003 Introduction to Bioinformatics I	
Module code	FMI-BI0003
Module title (German)	Einführung in die Bioinformatik I
Module title (English)	Introduction to Bioinformatics I
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	2 semester
ECTS credits	12 CP
Work load:	360 h
- In-class studying	150 h
- Independent studying (incl. preparations for examination)	210 h

Modul FMI-BI0004 Introduction to Bioinformatics II	
Module code	FMI-BI0004
Module title (German)	Einführung in die Bioinformatik II
Module title (English)	Introduction to Bioinformatics II
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	2 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-BI0005 Fundamentals of Systems Biology	
Module code	FMI-BI0005
Module title (German)	Grundlagen der Systembiologie
Module title (English)	Fundamentals of Systems Biology
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-BI0006 Mathematical Biology I	
Module code	FMI-BI0006
Module title (German)	Mathematische Biologie I
Module title (English)	Mathematical Biology I
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-BI0007 Project Data Mining and Sequence Analysis	
Module code	FMI-BI0007
Module title (German)	Projekt Data Mining und Sequenzanalyse
Module title (English)	Project Data Mining and Sequence Analysis
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-BI0008 Computational mass spectrometry	
Module code	FMI-BI0008
Module title (German)	Algorithmische Massenspektrometrie
Module title (English)	Computational mass spectrometry
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	75 h
- Independent studying (incl. preparations for examination)	105 h

Modul FMI-BI0009 Sequence Analysis	
Module code	FMI-BI0009
Module title (German)	Sequenzanalyse
Module title (English)	Sequence Analysis
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-BI0011 Computational Genomics	
Module code	FMI-BI0011
Module title (German)	Bioinformatische Methoden in der Genomforschung
Module title (English)	Computational Genomics
Frequency of offer (how often is the module offered?)	Every second year (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	75 h
- Independent studying (incl. preparations for examination)	105 h

Modul FMI-BI0012 Gene Expression Analysis	
Module code	FMI-BI0012
Module title (German)	Analyse der Genexpression
Module title (English)	Gene Expression Analysis
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0013 Job and career for Bioinformaticians	
Module code	FMI-BI0013
Module title (German)	Beruf und Karriere für Bioinformatiker
Module title (English)	Job and career for Bioinformaticians
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	1 CP
Work load:	30 h
- In-class studying	15 h
- Independent studying (incl. preparations for examination)	15 h

Modul FMI-BI0015 Metabolic and regulatory networks	
Module code	FMI-BI0015
Module title (German)	Metabolische und regulatorische Netzwerke
Module title (English)	Metabolic and regulatory networks
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	2 semester
ECTS credits	7 CP
Work load:	210 h
- In-class studying	75 h
- Independent studying (incl. preparations for examination)	135 h

Modul FMI-BI0017 Logic of living systems	
Module code	FMI-BI0017
Module title (German)	Logik lebender Systeme
Module title (English)	Logic of living systems
Frequency of offer (how often is the module offered?)	Every third semester
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-BI0019 Optimality principles in evolution	
Module code	FMI-BI0019
Module title (German)	Optimalitätsprinzipien in der Evolution
Module title (English)	Optimality principles in evolution
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-BI0020 Project modul	
Module code	FMI-BI0020
Module title (German)	Projektmodul
Module title (English)	Project modul
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	0,5 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	10 h
- Independent studying (incl. preparations for examination)	170 h

Modul FMI-BI0021 Seminar Bioinformatics 1	
Module code	FMI-BI0021
Module title (German)	Seminar Bioinformatik 1
Module title (English)	Seminar Bioinformatics 1
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0022 Seminar Bioinformatics 2	
Module code	FMI-BI0022
Module title (German)	Seminar Bioinformatik 2
Module title (English)	Seminar Bioinformatics 2
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0023 Seminar Bioinformatics 3	
Module code	FMI-BI0023
Module title (German)	Seminar Bioinformatik 3
Module title (English)	Seminar Bioinformatics 3
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0024 Seminar Bioinformatics 4	
Module code	FMI-BI0024
Module title (German)	Seminar Bioinformatik 4
Module title (English)	Seminar Bioinformatics 4
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0025 Evolutionary Algorithms	
Module code	FMI-BI0025
Module title (German)	Evolutionäre Algorithmen
Module title (English)	Evolutionary Algorithms
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-BI0043 High Throughput Sequencing Methods	
Module code	FMI-BI0043
Module title (German)	Methoden der Hochdurchsatzsequenzierung -theoretischer Teil
Module title (English)	High Throughput Sequencing Methods
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0044 Systems Biology of Immunology	
Module code	FMI-BI0044
Module title (German)	Systembiologie der Immunologie
Module title (English)	Systems Biology of Immunology
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-BI0046 RNA Bioinformatics (theoretical chapter)	
Module code	FMI-BI0046
Module title (German)	RNA Bioinformatik (theoretischer Teil)
Module title (English)	RNA Bioinformatics (theoretical chapter)
Frequency of offer (how often is the module offered?)	Every second year (beginning in winter semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	30 h

Modul FMI-BI0047 RNA Bioinformatics - Practical Course	
Module code	FMI-BI0047
Module title (German)	RNA Bioinformatik Praktikum
Module title (English)	RNA Bioinformatics - Practical Course
Frequency of offer (how often is the module offered?)	Every second year (beginning in winter semester)
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	80 h
- Independent studying (incl. preparations for examination)	40 h

Modul FMI-BI0048 Scripting languages and their applications	
Module code	FMI-BI0048
Module title (German)	Skriptsprachen und Anwendungen (ASQ)
Module title (English)	Scripting languages and their applications
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0049 High Throughput Sequencing Methods - Practical Course	
Module code	FMI-BI0049
Module title (German)	Methoden der Hochdurchsatzsequenzierung - Praktikum
Module title (English)	High Throughput Sequencing Methods - Practical Course
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	30 h

Modul FMI-BI0050 Molecular Algorithm	
Module code	FMI-BI0050
Module title (German)	Molekulare Algorithmen
Module title (English)	Molecular Algorithm
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	20 h
- Independent studying (incl. preparations for examination)	70 h

Modul FMI-BI0052 Applied systems biology taking biological clocks as example	
Module code	FMI-BI0052
Module title (German)	Angewandte Systembiologie am Beispiel biologischer Uhren
Module title (English)	Applied systems biology taking biological clocks as example
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	10 CP
Work load:	300 h
- In-class studying	180 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-BI0053 Image-based Systems Biology	
Module code	FMI-BI0053
Module title (German)	Bildbasierte Systembiologie
Module title (English)	Image-based Systems Biology
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-BI0054 Viral Bioinformatics	
Module code	FMI-BI0054
Module title (German)	Viren Bioinformatik
Module title (English)	Viral Bioinformatics
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	120 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	90 h

Modul FMI-BI0055 Proseminar Bioinformatics	
Module code	FMI-BI0055
Module title (German)	Proseminar Bioinformatik LS Böcker
Module title (English)	Proseminar Bioinformatics
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0056 Proseminar Bioinformatics	
Module code	FMI-BI0056
Module title (German)	Proseminar Bioinformatik LS Schuster
Module title (English)	Proseminar Bioinformatics
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0057 Introduction to LaTeX for scientists	
Module code	FMI-BI0057
Module title (German)	LaTeX Grundlagen für Naturwissenschaftler und Informatiker
Module title (English)	Introduction to LaTeX for scientists
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0058 Scripting languages in applied bioinformatics	
Module code	FMI-BI0058
Module title (German)	Skriptsprachen in der Bioinformatik (ASQ)
Module title (English)	Scripting languages in applied bioinformatics
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-BI0059 Basic Bioinformatical Applications	
Module code	FMI-BI0059
Module title (German)	Grundlegende bioinformatische Anwendungen
Module title (English)	Basic Bioinformatical Applications
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0001 Algorithms and Data Structures	
Module code	FMI-IN0001
Module title (German)	Algorithmen und Datenstrukturen
Module title (English)	Algorithms and Data Structures
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN0005 Automata and Computability	
Module code	FMI-IN0005
Module title (German)	Automaten und Berechenbarkeit
Module title (English)	Automata and Computability
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN0006 Computability and Complexity	
Module code	FMI-IN0006
Module title (German)	Berechenbarkeit und Komplexität
Module title (English)	Computability and Complexity
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0008 Database Systems I	
Module code	FMI-IN0008
Module title (German)	Datenbanksysteme I
Module title (English)	Database Systems I
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0009 Database Systems II	
Module code	FMI-IN0009
Module title (German)	Datenbanksysteme II
Module title (English)	Database Systems II
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0011 Database Systems Specialization	
Module code	FMI-IN0011
Module title (German)	Datenbanksysteme Spezialisierung
Module title (English)	Database Systems Specialization
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0013 Discrete Structures I	
Module code	FMI-IN0013
Module title (German)	Diskrete Strukturen I
Module title (English)	Discrete Structures I
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0014 Discrete Structures II	
Module code	FMI-IN0014
Module title (German)	Diskrete Strukturen II
Module title (English)	Discrete Structures II
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0016 Introduction to Visual Computing	
Module code	FMI-IN0016
Module title (German)	Einführung in die Bildinformatik
Module title (English)	Introduction to Visual Computing
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0017 Introduction to Artificial Intelligence	
Module code	FMI-IN0017
Module title (German)	Einführung in die Künstliche Intelligenz
Module title (English)	Introduction to Artificial Intelligence
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0018 Introduction to Artificial Neural Networks	
Module code	FMI-IN0018
Module title (German)	Einführung in die Theorie künstlicher Neuronaler Netze
Module title (English)	Introduction to Artificial Neural Networks
Frequency of offer (how often is the module offered?)	Every second year (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0021 Foundations of Information- and Softwaresystems	
Module code	FMI-IN0021
Module title (German)	Grundlagen der Informations- und Softwaresysteme
Module title (English)	Foundations of Information- and Softwaresystems
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0023 Theory and Practice of Constraint Programming	
Module code	FMI-IN0023
Module title (German)	Grundlagen und Techniken der Constraint-Programmierung
Module title (English)	Theory and Practice of Constraint Programming
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0025 Foundations of Computational Problem Solving	
Module code	FMI-IN0025
Module title (German)	Grundlagen informatischer Problemlösung
Module title (English)	Foundations of Computational Problem Solving
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	120 h
- Independent studying (incl. preparations for examination)	150 h

Modul FMI-IN0027 Softwareengineering	
Module code	FMI-IN0027
Module title (German)	Ingenieurmäßige Softwareentwicklung
Module title (English)	Softwareengineering
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0028 Computational Complexity - 6 CP	
Module code	FMI-IN0028
Module title (German)	Komplexitätstheorie - 6 LP
Module title (English)	Computational Complexity - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	75 h
- Independent studying (incl. preparations for examination)	105 h

Modul FMI-IN0030 Cryptology	
Module code	FMI-IN0030
Module title (German)	Kryptologie
Module title (English)	Cryptology
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0031 Computational Complexity	
Module code	FMI-IN0031
Module title (German)	Komplexitätstheorie - 3 LP
Module title (English)	Computational Complexity
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0032 Literature research and presentation	
Module code	FMI-IN0032
Module title (German)	Literaturarbeit und Präsentation (ASQ)
Module title (English)	Literature research and presentation
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0033 Logical Systems	
Module code	FMI-IN0033
Module title (German)	Logiksysteme
Module title (English)	Logical Systems
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0034 Machine Learning and Datamining	
Module code	FMI-IN0034
Module title (German)	Maschinelles Lernen und Datamining
Module title (English)	Machine Learning and Datamining
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0036 Pattern Recognition	
Module code	FMI-IN0036
Module title (German)	Mustererkennung
Module title (English)	Pattern Recognition
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0042 Practical Course Programming	
Module code	FMI-IN0042
Module title (German)	Praktische Programmierübung
Module title (English)	Practical Course Programming
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0044 Project Intelligent Systems	
Module code	FMI-IN0044
Module title (German)	Projekt Intelligente Systeme
Module title (English)	Project Intelligent Systems
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0045 Project Management	
Module code	FMI-IN0045
Module title (German)	Projektmanagement (ASQ)
Module title (English)	Project Management
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0046 Computer Vision I	
Module code	FMI-IN0046
Module title (German)	Rechnersehen I
Module title (English)	Computer Vision I
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0048 Computer Vision II	
Module code	FMI-IN0048
Module title (German)	Rechnersehen II
Module title (English)	Computer Vision II
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0049 Seminar Computer Vision	
Module code	FMI-IN0049
Module title (German)	Seminar Rechnersehen
Module title (English)	Seminar Computer Vision
Frequency of offer (how often is the module offered?)	-
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0050 Seminar Algorithmics	
Module code	FMI-IN0050
Module title (German)	Seminar Theoretische Informatik/Algorithmik
Module title (English)	Seminar Algorithmics
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0051 Project in applied Softwaredevelopment	
Module code	FMI-IN0051
Module title (German)	Softwareentwicklungsprojekt I
Module title (English)	Project in applied Softwaredevelopment
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN0052 Softwareengineering Specialization I	
Module code	FMI-IN0052
Module title (German)	Softwaretechnik Spezialisierung I
Module title (English)	Softwareengineering Specialization I
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0053 Softwareengineering Specialization II	
Module code	FMI-IN0053
Module title (German)	Softwaretechnik Spezialisierung II
Module title (English)	Softwareengineering Specialization II
Frequency of offer (how often is the module offered?)	In the winter, if necessary also in the summer
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0055 System Software	
Module code	FMI-IN0055
Module title (German)	Systemsoftware
Module title (English)	System Software
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0058 Distributed Systems Specialization I	
Module code	FMI-IN0058
Module title (German)	Verteilte Systeme Spezialisierung I
Module title (English)	Distributed Systems Specialization I
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0059 Distributed Systems Specialization II	
Module code	FMI-IN0059
Module title (German)	Verteilte Systeme Spezialisierung II
Module title (English)	Distributed Systems Specialization II
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0060 Distributed Systems and Web Development	
Module code	FMI-IN0060
Module title (German)	Verteilte Systeme
Module title (English)	Distributed Systems and Web Development
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0062 Motion Computation from Image Sequences	
Module code	FMI-IN0062
Module title (German)	Bewegungsberechnung aus Bildfolgen
Module title (English)	Motion Computation from Image Sequences
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0067 Mobile Code	
Module code	FMI-IN0067
Module title (German)	Mobiler Code
Module title (English)	Mobile Code
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0075 Object-oriented Programming	
Module code	FMI-IN0075
Module title (German)	Objektorientierte Programmierung
Module title (English)	Object-oriented Programming
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	5 CP
Work load:	150 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	90 h

Modul FMI-IN0076 Declarative Programming	
Module code	FMI-IN0076
Module title (German)	Deklarative Programmierung
Module title (English)	Declarative Programming
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0078 Information systems in mobile and wireless environments	
Module code	FMI-IN0078
Module title (German)	Informationssysteme in mobilen und drahtlosen Umgebungen
Module title (English)	Information systems in mobile and wireless environments
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0082 Logic and Provability	
Module code	FMI-IN0082
Module title (German)	Logik und Beweisbarkeit
Module title (English)	Logic and Provability
Frequency of offer (how often is the module offered?)	Every second year (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	75 h
- Independent studying (incl. preparations for examination)	105 h

Modul FMI-IN0083 Signal Oriented Image Processing	
Module code	FMI-IN0083
Module title (German)	Signalorientierte Bildverarbeitung
Module title (English)	Signal Oriented Image Processing
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0084 State Estimation and Action Selection	
Module code	FMI-IN0084
Module title (German)	Zustandsschätzung und Aktionsauswahl
Module title (English)	State Estimation and Action Selection
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0085 Recent Advances in Computer Vision	
Module code	FMI-IN0085
Module title (German)	Spezielle Probleme im Rechnersehen
Module title (English)	Recent Advances in Computer Vision
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0086 Tools for Pattern Recognition and Machine Learning	
Module code	FMI-IN0086
Module title (German)	Werkzeuge der Mustererkennung und des Maschinellen Lernens
Module title (English)	Tools for Pattern Recognition and Machine Learning
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0095 Computational Geometry I	
Module code	FMI-IN0095
Module title (German)	Algorithmische Geometrie I
Module title (English)	Computational Geometry I
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	90 h

Modul FMI-IN0096 Algorithmic Foundations of Machine Learning	
Module code	FMI-IN0096
Module title (German)	Algorithmische Grundlagen des maschinellen Lernens
Module title (English)	Algorithmic Foundations of Machine Learning
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	90 h

Modul FMI-IN0102 Algorithm Engineering Lab	
Module code	FMI-IN0102
Module title (German)	Algorithm Engineering Lab
Module title (English)	Algorithm Engineering Lab
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0104 Seminar Algorithmics	
Module code	FMI-IN0104
Module title (German)	Seminar Algorithmik
Module title (English)	Seminar Algorithmics
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0111 Practical 3-D Computer Vision	
Module code	FMI-IN0111
Module title (German)	Anwendungspraktikum 3-D Rechnersehen
Module title (English)	Practical 3-D Computer Vision
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN0113 Seminar Software and Information Systems	
Module code	FMI-IN0113
Module title (German)	Seminar Software- und Informationssysteme
Module title (English)	Seminar Software and Information Systems
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0119 Algorithm Engineering	
Module code	FMI-IN0119
Module title (German)	Algorithm Engineering
Module title (English)	Algorithm Engineering
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0121 IT Security	
Module code	FMI-IN0121
Module title (German)	IT-Sicherheit
Module title (English)	IT Security
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0125 Automatic Differentiation	
Module code	FMI-IN0125
Module title (German)	Automatisches Differenzieren
Module title (English)	Automatic Differentiation
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0126 High-Performance Computing	
Module code	FMI-IN0126
Module title (German)	Hochleistungsrechnen
Module title (English)	High-Performance Computing
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0131 (Semantic) Data and Process Integration	
Module code	FMI-IN0131
Module title (German)	(Semantische) Daten- und Prozessintegration
Module title (English)	(Semantic) Data and Process Integration
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0134 Visual object recognition	
Module code	FMI-IN0134
Module title (German)	Visuelle Objekterkennung
Module title (English)	Visual object recognition
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0136 Parallel Computing I	
Module code	FMI-IN0136
Module title (German)	Parallel Computing I
Module title (English)	Parallel Computing I
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	90 h

Modul FMI-IN0137 Parallel Computing II	
Module code	FMI-IN0137
Module title (German)	Parallel Computing II
Module title (English)	Parallel Computing II
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0138 Vizualisation - 6 BP	
Module code	FMI-IN0138
Module title (German)	Visualisierung - 6 LP
Module title (English)	Vizualisation - 6 BP
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0139 Elements of Computational and Data Science	
Module code	FMI-IN0139
Module title (German)	Elemente der rechen- und datengetriebenen Wissenschaften
Module title (English)	Elements of Computational and Data Science
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0140 Management of Scientific Data	
Module code	FMI-IN0140
Module title (German)	Management of Scientific Data
Module title (English)	Management of Scientific Data
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0141 Big Data	
Module code	FMI-IN0141
Module title (German)	Big Data
Module title (English)	Big Data
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0144 Advanced Labs for Computer Science	
Module code	FMI-IN0144
Module title (German)	Fortgeschrittenes Programmierpraktikum
Module title (English)	Advanced Labs for Computer Science
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0152 Thinking Parallel	
Module code	FMI-IN0152
Module title (German)	Thinking Parallel
Module title (English)	Thinking Parallel
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0153 Thinking Parallel in Practice	
Module code	FMI-IN0153
Module title (German)	Thinking Parallel in Practice
Module title (English)	Thinking Parallel in Practice
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0156 Introductory Course on Deep Learning	
Module code	FMI-IN0156
Module title (German)	Einführung in tiefe Lernverfahren
Module title (English)	Introductory Course on Deep Learning
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0157 Statistical Learning Theory (Lab)	
Module code	FMI-IN0157
Module title (German)	Statistische Lerntheorie (Lab)
Module title (English)	Statistical Learning Theory (Lab)
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0158 Proof Complexity and Solving	
Module code	FMI-IN0158
Module title (German)	Algorithmisches Beweisen
Module title (English)	Proof Complexity and Solving
Frequency of offer (how often is the module offered?)	Every second semester
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	90 h

Modul FMI-IN0159 Proof Complexity and Solving LAB	
Module code	FMI-IN0159
Module title (German)	Algorithmisches Beweisen LAB
Module title (English)	Proof Complexity and Solving LAB
Frequency of offer (how often is the module offered?)	Every second semester
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0160 Computational Complexity LAB	
Module code	FMI-IN0160
Module title (German)	Komplexitätstheorie LAB
Module title (English)	Computational Complexity LAB
Frequency of offer (how often is the module offered?)	Every second semester
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0162 Cryptology LAB	
Module code	FMI-IN0162
Module title (German)	Kryptologie LAB
Module title (English)	Cryptology LAB
Frequency of offer (how often is the module offered?)	Every second semester
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0163 Project - Parallel Computing	
Module code	FMI-IN0163
Module title (German)	Projekt - Paralleles Rechnen
Module title (English)	Project - Parallel Computing
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0165 Medical Visualization	
Module code	FMI-IN0165
Module title (German)	Medizinische Visualisierung
Module title (English)	Medical Visualization
Frequency of offer (how often is the module offered?)	Every second semester
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0166 Computer Graphics	
Module code	FMI-IN0166
Module title (German)	Computergrafik
Module title (English)	Computer Graphics
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0168 Computer Graphics 2	
Module code	FMI-IN0168
Module title (German)	Computergrafik 2
Module title (English)	Computer Graphics 2
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0169 Seminar High-Performance Computing	
Module code	FMI-IN0169
Module title (German)	Seminar High-Performance Computing
Module title (English)	Seminar High-Performance Computing
Frequency of offer (how often is the module offered?)	Every second semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0206 Companion Seminar for Computer Science Events	
Module code	FMI-IN0206
Module title (German)	Begleitseminar zu einer Veranstaltung der Informatik (ASQ)
Module title (English)	Companion Seminar for Computer Science Events
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0208 Essentials and Techniques of Network Analysis	
Module code	FMI-IN0208
Module title (German)	Grundlagen und Techniken der Netzwerkanalyse (ASQ)
Module title (English)	Essentials and Techniques of Network Analysis
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN0211 Teaching and Learning of Computer Science	
Module code	FMI-IN0211
Module title (German)	Lehren von Informatik - Lernen von Informatik
Module title (English)	Teaching and Learning of Computer Science
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN0212 Introduction to Business Process Modeling and Management	
Module code	FMI-IN0212
Module title (German)	Grundlagen der Prozessmodellierung und des Prozessmanagements
Module title (English)	Introduction to Business Process Modeling and Management
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN1009 Structural Programming - 9 CP	
Module code	FMI-IN1009
Module title (German)	Strukturiertes Programmieren - 9 LP
Module title (English)	Structural Programming - 9 CP
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN2000 Database and Information Systems	
Module code	FMI-IN2000
Module title (German)	Datenbanken und Informationssysteme
Module title (English)	Database and Information Systems
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3003 Seminar	
Module code	FMI-IN3003
Module title (German)	Seminar
Module title (English)	Seminar
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3004 Mathematics for School-Teachers	
Module code	FMI-IN3004
Module title (German)	Mathematik für Informatik-Lehrer
Module title (English)	Mathematics for School-Teachers
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3008 Software and System Development	
Module code	FMI-IN3008
Module title (German)	Software- und Systementwicklung
Module title (English)	Software and System Development
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3011 Informatics and Society	
Module code	FMI-IN3011
Module title (German)	Informatik und Gesellschaft
Module title (English)	Informatics and Society
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3201 Master Module Computer Visualistics I - 3 CP	
Module code	FMI-IN3201
Module title (German)	Mastermodul Computervisualistik I - 3 LP
Module title (English)	Master Module Computer Visualistics I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3202 Master Module Computer Visualistics II - 3 CP	
Module code	FMI-IN3202
Module title (German)	Mastermodul Computervisualistik II - 3 LP
Module title (English)	Master Module Computer Visualistics II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3209 Master Module Computer Visualistics I - 6 CP	
Module code	FMI-IN3209
Module title (German)	Mastermodul Computervisualistik I - 6 LP
Module title (English)	Master Module Computer Visualistics I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3210 Master Module Computer Visualistics II - 6 CP	
Module code	FMI-IN3210
Module title (German)	Mastermodul Computervisualistik II - 6 LP
Module title (English)	Master Module Computer Visualistics II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3217 Master Module Computer Visualistics V - 6 CP	
Module code	FMI-IN3217
Module title (German)	Mastermodul Computervisualistik I - 9 LP
Module title (English)	Master Module Computer Visualistics V - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3221 Master Module Data Science I - 3 CP	
Module code	FMI-IN3221
Module title (German)	Mastermodul Data Science I - 3 LP
Module title (English)	Master Module Data Science I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3222 Master Module Data Science II - 3 CP	
Module code	FMI-IN3222
Module title (German)	Mastermodul Data Science II - 3 LP
Module title (English)	Master Module Data Science II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3229 Master Module Data Science I - 6 CP	
Module code	FMI-IN3229
Module title (German)	Mastermodul Data Science I - 6 LP
Module title (English)	Master Module Data Science I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3230 Master Module Data Science II - 6 CP	
Module code	FMI-IN3230
Module title (German)	Mastermodul Data Science II - 6 LP
Module title (English)	Master Module Data Science II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3237 Master Module Data Science I - 9 CP	
Module code	FMI-IN3237
Module title (German)	Mastermodul Data Science I - 9 LP
Module title (English)	Master Module Data Science I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3238 Master Module Data Science II - 9 CP	
Module code	FMI-IN3238
Module title (German)	Mastermodul Data Science II - 9 LP
Module title (English)	Master Module Data Science II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3241 Master Module Artificial Intelligence I - 3 CP	
Module code	FMI-IN3241
Module title (German)	Mastermodul Künstliche Intelligenz I - 3 LP
Module title (English)	Master Module Artificial Intelligence I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3242 Master Module Artificial Intelligence II - 3 CP	
Module code	FMI-IN3242
Module title (German)	Mastermodul Künstliche Intelligenz II - 3 LP
Module title (English)	Master Module Artificial Intelligence II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3249 Master Module Artificial Intelligence I - 6 CP	
Module code	FMI-IN3249
Module title (German)	Mastermodul Künstliche Intelligenz I - 6 LP
Module title (English)	Master Module Artificial Intelligence I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3250 Master Module Artificial Intelligence II - 6 CP	
Module code	FMI-IN3250
Module title (German)	Mastermodul Künstliche Intelligenz II - 6 LP
Module title (English)	Master Module Artificial Intelligence II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3257 Master Module Data Science I - 9 CP	
Module code	FMI-IN3257
Module title (German)	Mastermodul Künstliche Intelligenz I - 9 LP
Module title (English)	Master Module Data Science I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3261 Master Module Machine Learning I - 3 CP	
Module code	FMI-IN3261
Module title (German)	Mastermodul Maschinelles Lernen I - 3 LP
Module title (English)	Master Module Machine Learning I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3262 Master Module Machine Learning II - 3 CP	
Module code	FMI-IN3262
Module title (German)	Mastermodul Maschinelles Lernen II - 3 LP
Module title (English)	Master Module Machine Learning II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3267 Master Module Machine Learning I - 6 CP	
Module code	FMI-IN3267
Module title (German)	Mastermodul Maschinelles Lernen I - 6 LP
Module title (English)	Master Module Machine Learning I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3268 Master Module Machine Learning II - 6 CP	
Module code	FMI-IN3268
Module title (German)	Mastermodul Maschinelles Lernen II - 6 LP
Module title (English)	Master Module Machine Learning II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3277 Master Module Machine Learning I - 9 CP	
Module code	FMI-IN3277
Module title (German)	Mastermodul Maschinelles Lernen I - 9 LP
Module title (English)	Master Module Machine Learning I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3278 Master Module Machine Learning II - 9 CP	
Module code	FMI-IN3278
Module title (German)	Mastermodul Maschinelles Lernen II - 9 LP
Module title (English)	Master Module Machine Learning II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3301 Master Module Computational Science I - 3 CP	
Module code	FMI-IN3301
Module title (German)	Mastermodul Computational Science I - 3 LP
Module title (English)	Master Module Computational Science I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3302 Master Module Computational Science II - 3 CP	
Module code	FMI-IN3302
Module title (German)	Mastermodul Computational Science II - 3 LP
Module title (English)	Master Module Computational Science II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3307 Master Module Computational Science I - 6 CP	
Module code	FMI-IN3307
Module title (German)	Mastermodul Computational Science I - 6 LP
Module title (English)	Master Module Computational Science I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3308 Master Module Computational Science II - 6 CP	
Module code	FMI-IN3308
Module title (German)	Mastermodul Computational Science II - 6 LP
Module title (English)	Master Module Computational Science II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3313 Master Module Computational Science I - 9 CP	
Module code	FMI-IN3313
Module title (German)	Mastermodul Computational Science I - 9 LP
Module title (English)	Master Module Computational Science I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3314 Master Module Computational Science II - 9 CP	
Module code	FMI-IN3314
Module title (German)	Mastermodul Computational Science II - 9 LP
Module title (English)	Master Module Computational Science II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3316 Master Module Computer Vision I - 3 CP	
Module code	FMI-IN3316
Module title (German)	Mastermodul Computer Vision I - 3 LP
Module title (English)	Master Module Computer Vision I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3317 Master Module Computer Vision II - 3 CP	
Module code	FMI-IN3317
Module title (German)	Mastermodul Computer Vision II - 3 LP
Module title (English)	Master Module Computer Vision II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3323 Master Module Computer Vision I - 6 CP	
Module code	FMI-IN3323
Module title (German)	Mastermodul Computer Vision I - 6 LP
Module title (English)	Master Module Computer Vision I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3324 Master Module Computer Vision II - 6 CP	
Module code	FMI-IN3324
Module title (German)	Mastermodul Computer Vision II - 6 LP
Module title (English)	Master Module Computer Vision II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3328 Master Module Computer Vision I - 9 CP	
Module code	FMI-IN3328
Module title (German)	Mastermodul Computer Vision I - 9 LP
Module title (English)	Master Module Computer Vision I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3329 Master Module Computer Vision II - 9 CP	
Module code	FMI-IN3329
Module title (German)	Mastermodul Computer Vision II - 9 LP
Module title (English)	Master Module Computer Vision II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3331 Master Module High-Performance Computing I - 3 CP	
Module code	FMI-IN3331
Module title (German)	Mastermodul High-Performance Computing I - 3 LP
Module title (English)	Master Module High-Performance Computing I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3332 Master Module High-Performance Computing II - 3 CP	
Module code	FMI-IN3332
Module title (German)	Mastermodul High-Performance Computing II - 3 LP
Module title (English)	Master Module High-Performance Computing II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3337 Master Module High-Performance Computing I - 6 CP	
Module code	FMI-IN3337
Module title (German)	Mastermodul High-Performance Computing I - 6 LP
Module title (English)	Master Module High-Performance Computing I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3338 Master Module High-Performance Computing II - 6 CP	
Module code	FMI-IN3338
Module title (German)	Mastermodul High-Performance Computing II - 6 LP
Module title (English)	Master Module High-Performance Computing II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3343 Master Module High-Performance Computing I - 9 CP	
Module code	FMI-IN3343
Module title (German)	Mastermodul High-Performance Computing I - 9 LP
Module title (English)	Master Module High-Performance Computing I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3344 Master Module High-Performance Computing II - 9 CP	
Module code	FMI-IN3344
Module title (German)	Mastermodul High-Performance Computing II - 9 LP
Module title (English)	Master Module High-Performance Computing II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3346 Master Module Information and Software Systems I - 3 CP	
Module code	FMI-IN3346
Module title (German)	Mastermodul Informations- und Softwaresysteme I - 3 LP
Module title (English)	Master Module Information and Software Systems I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3347 Master Module Information and Software Systems II - 3 CP	
Module code	FMI-IN3347
Module title (German)	Mastermodul Informations- und Softwaresysteme II - 3 LP
Module title (English)	Master Module Information and Software Systems II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3353 Master Module Information and Software Systems I - 6 CP	
Module code	FMI-IN3353
Module title (German)	Mastermodul Informations- und Softwaresysteme I - 6 LP
Module title (English)	Master Module Information and Software Systems I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3354 Master Module Information and Software Systems II - 6 CP	
Module code	FMI-IN3354
Module title (German)	Mastermodul Informations- und Softwaresysteme II - 6 LP
Module title (English)	Master Module Information and Software Systems II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3358 Master Module Information and Software Systems I - 9 CP	
Module code	FMI-IN3358
Module title (German)	Mastermodul Informations- und Softwaresysteme I - 9 LP
Module title (English)	Master Module Information and Software Systems I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3359 Master Module Information and Software Systems II - 9 CP	
Module code	FMI-IN3359
Module title (German)	Mastermodul Informations- und Softwaresysteme II - 9 LP
Module title (English)	Master Module Information and Software Systems II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3361 Master Module Programming Languages and Programming I - 3 CP	
Module code	FMI-IN3361
Module title (German)	Mastermodul Programmiersprachen und Programmierung I - 3 LP
Module title (English)	Master Module Programming Languages and Programming I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3362 Master Module Programming Languages and Programming II - 3 CP	
Module code	FMI-IN3362
Module title (German)	Mastermodul Programmiersprachen und Programmierung II - 3 LP
Module title (English)	Master Module Programming Languages and Programming II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3368 Master Module Programming Languages and Programming I - 6 CP	
Module code	FMI-IN3368
Module title (German)	Mastermodul Programmiersprachen und Programmierung I - 6 LP
Module title (English)	Master Module Programming Languages and Programming I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3369 Master Module Programming Languages and Programming II - 6 CP	
Module code	FMI-IN3369
Module title (German)	Mastermodul Programmiersprachen und Programmierung II - 6 LP
Module title (English)	Master Module Programming Languages and Programming II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3374 Master Module Programming Languages and Programming I - 9 CP	
Module code	FMI-IN3374
Module title (German)	Mastermodul Programmiersprachen und Programmierung I - 9 LP
Module title (English)	Master Module Programming Languages and Programming I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3376 Master Module System Software I - 3 CP	
Module code	FMI-IN3376
Module title (German)	Mastermodul Systemsoftware I - 3 LP
Module title (English)	Master Module System Software I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3377 Master Module System Software II - 3 CP	
Module code	FMI-IN3377
Module title (German)	Mastermodul Systemsoftware II - 3 LP
Module title (English)	Master Module System Software II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3383 Master Module Programming System Software I - 6 CP	
Module code	FMI-IN3383
Module title (German)	Mastermodul Systemsoftware I - 6 LP
Module title (English)	Master Module Programming System Software I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3384 Master Module Programming System Software II - 6 CP	
Module code	FMI-IN3384
Module title (German)	Mastermodul Systemsoftware II - 6 LP
Module title (English)	Master Module Programming System Software II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3388 Master Module System Software I - 9 CP	
Module code	FMI-IN3388
Module title (German)	Mastermodul Systemsoftware I - 9 LP
Module title (English)	Master Module System Software I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3389 Master Module System Software II - 9 CP	
Module code	FMI-IN3389
Module title (German)	Mastermodul Systemsoftware II - 9 LP
Module title (English)	Master Module System Software II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3401 Master Module Algorithms I - 3 CP	
Module code	FMI-IN3401
Module title (German)	Mastermodul Algorithmik I - 3 LP
Module title (English)	Master Module Algorithms I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3402 Master Module Algorithms II - 3 CP	
Module code	FMI-IN3402
Module title (German)	Mastermodul Algorithmik II - 3 LP
Module title (English)	Master Module Algorithms II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3407 Master Module Algorithms I - 6 CP	
Module code	FMI-IN3407
Module title (German)	Mastermodul Algorithmik I - 6 LP
Module title (English)	Master Module Algorithms I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3408 Master Module Algorithms II - 6 CP	
Module code	FMI-IN3408
Module title (German)	Mastermodul Algorithmik II - 6 LP
Module title (English)	Master Module Algorithms II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3415 Master Module Algorithms I - 9 CP	
Module code	FMI-IN3415
Module title (German)	Mastermodul Algorithmik I - 9 LP
Module title (English)	Master Module Algorithms I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3416 Master Module Algorithms II - 9 CP	
Module code	FMI-IN3416
Module title (German)	Mastermodul Algorithmik II - 9 LP
Module title (English)	Master Module Algorithms II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3421 Master Module Computational Complexity I - 3 CP	
Module code	FMI-IN3421
Module title (German)	Mastermodul Komplexität I - 3 LP
Module title (English)	Master Module Computational Complexity I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3422 Master Module Computational Complexity II - 3 CP	
Module code	FMI-IN3422
Module title (German)	Mastermodul Komplexität II - 3 LP
Module title (English)	Master Module Computational Complexity II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3427 Master Module Computational Complexity I - 6 CP	
Module code	FMI-IN3427
Module title (German)	Mastermodul Komplexität I - 6 LP
Module title (English)	Master Module Computational Complexity I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3428 Master Module Computational Complexity II - 6 CP	
Module code	FMI-IN3428
Module title (German)	Mastermodul Komplexität II - 6 LP
Module title (English)	Master Module Computational Complexity II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3435 Master Module Computational Complexity I - 9 CP	
Module code	FMI-IN3435
Module title (German)	Mastermodul Komplexität I - 9 LP
Module title (English)	Master Module Computational Complexity I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3436 Master Module Computational Complexity II - 9 CP	
Module code	FMI-IN3436
Module title (German)	Mastermodul Komplexität II - 9 LP
Module title (English)	Master Module Computational Complexity II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3441 Master Module Learning Theory I - 3 CP	
Module code	FMI-IN3441
Module title (German)	Mastermodul Lerntheorie I - 3 LP
Module title (English)	Master Module Learning Theory I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3442 Master Module Learning Theory II - 3 CP	
Module code	FMI-IN3442
Module title (German)	Mastermodul Lerntheorie II - 3 LP
Module title (English)	Master Module Learning Theory II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3447 Master Module Learning Theory I - 6 CP	
Module code	FMI-IN3447
Module title (German)	Mastermodul Lerntheorie I - 6 LP
Module title (English)	Master Module Learning Theory I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3448 Master Module Learning Theory II - 6 CP	
Module code	FMI-IN3448
Module title (German)	Mastermodul Lerntheorie II - 6 LP
Module title (English)	Master Module Learning Theory II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3455 Master Module Learning Theory I - 9 CP	
Module code	FMI-IN3455
Module title (German)	Mastermodul Lerntheorie I - 9 LP
Module title (English)	Master Module Learning Theory I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3456 Master Module Learning Theory II - 9 CP	
Module code	FMI-IN3456
Module title (German)	Mastermodul Lerntheorie II - 9 LP
Module title (English)	Master Module Learning Theory II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3461 Master Module Logic I - 3 CP	
Module code	FMI-IN3461
Module title (German)	Mastermodul Logik I - 3 LP
Module title (English)	Master Module Logic I - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3462 Master Module Logic II - 3 CP	
Module code	FMI-IN3462
Module title (German)	Mastermodul Logik II - 3 LP
Module title (English)	Master Module Logic II - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3467 Master Module Logic I - 6 CP	
Module code	FMI-IN3467
Module title (German)	Mastermodul Logik I - 6 LP
Module title (English)	Master Module Logic I - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3468 Master Module Logic II - 6 CP	
Module code	FMI-IN3468
Module title (German)	Mastermodul Logik II - 6 LP
Module title (English)	Master Module Logic II - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-IN3475 Master Module Logic I - 9 CP	
Module code	FMI-IN3475
Module title (German)	Mastermodul Logik I - 9 LP
Module title (English)	Master Module Logic I - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3476 Master Module Logic II - 9 CP	
Module code	FMI-IN3476
Module title (German)	Mastermodul Logik II - 9 LP
Module title (English)	Master Module Logic II - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3801 Master Module Seminar I	
Module code	FMI-IN3801
Module title (German)	Mastermodul Seminar I
Module title (English)	Master Module Seminar I
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3802 Master Module Seminar II	
Module code	FMI-IN3802
Module title (German)	Mastermodul Seminar II
Module title (English)	Master Module Seminar II
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-IN3811 Master Module Project I - 3 CP	
Module code	FMI-IN3811
Module title (German)	Mastermodul Projektarbeit I - 3 LP
Module title (English)	Master Module Project I - 3 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	0 h
- Independent studying (incl. preparations for examination)	90 h

Modul FMI-IN3812 Master Module Project II - 3 CP	
Module code	FMI-IN3812
Module title (German)	Mastermodul Projektarbeit II - 3 LP
Module title (English)	Master Module Project II - 3 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	0 h
- Independent studying (incl. preparations for examination)	90 h

Modul FMI-IN3814 Master Module Project I - 6 CP	
Module code	FMI-IN3814
Module title (German)	Mastermodul Projektarbeit I - 6 LP
Module title (English)	Master Module Project I - 6 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	0 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN3815 Master Module Project II - 6 CP	
Module code	FMI-IN3815
Module title (German)	Mastermodul Projektarbeit II - 6 LP
Module title (English)	Master Module Project II - 6 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	0 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-IN4001 Didactics for Informatics A	
Module code	FMI-IN4001
Module title (German)	Didaktik der Informatik A
Module title (English)	Didactics for Informatics A
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-MA0007 Introduction to Probability Theory	
Module code	FMI-MA0007
Module title (German)	Einführung in die Wahrscheinlichkeitstheorie
Module title (English)	Introduction to Probability Theory
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-MA0017 Basic Calculus	
Module code	FMI-MA0017
Module title (German)	Grundlagen der Analysis
Module title (English)	Basic Calculus
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	120 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-MA0022 Linear Algebra	
Module code	FMI-MA0022
Module title (German)	Lineare Algebra
Module title (English)	Linear Algebra
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-MA0029 Numerical Analysis - 6 CP	
Module code	FMI-MA0029
Module title (German)	Numerische Mathematik - 6 LP
Module title (English)	Numerical Analysis - 6 CP
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-MA0244 Ordinary Differential Equations	
Module code	FMI-MA0244
Module title (German)	Gewöhnliche Differentialgleichungen
Module title (English)	Ordinary Differential Equations
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-MA0520 Numerical Methods of Boundary Value Problems - 9 CP	
Module code	FMI-MA0520
Module title (German)	Numerik von Randwertproblemen - 9 LP
Module title (English)	Numerical Methods of Boundary Value Problems - 9 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-MA0521 Numerical Methods of Boundary Value Problems - 6 CP	
Module code	FMI-MA0521
Module title (German)	Numerik von Randwertproblemen - 6 LP
Module title (English)	Numerical Methods of Boundary Value Problems - 6 CP
Frequency of offer (how often is the module offered?)	Every second year (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-MA0601 Linear Optimization	
Module code	FMI-MA0601
Module title (German)	Lineare Optimierung
Module title (English)	Linear Optimization
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	9 CP
Work load:	270 h
- In-class studying	90 h
- Independent studying (incl. preparations for examination)	180 h

Modul FMI-MA0642 Introduction to Discrete Optimization	
Module code	FMI-MA0642
Module title (German)	Einführung in die diskrete Optimierung
Module title (English)	Introduction to Discrete Optimization
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-MA0644 Introduction to Continuous Optimization	
Module code	FMI-MA0644
Module title (German)	Einführung in die kontinuierliche Optimierung
Module title (English)	Introduction to Continuous Optimization
Frequency of offer (how often is the module offered?)	Every second year (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-MA0741 Statistical Methods	
Module code	FMI-MA0741
Module title (German)	Statistische Verfahren
Module title (English)	Statistical Methods
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-MA0904 Business Skills A	
Module code	FMI-MA0904
Module title (German)	Wirtschaftskompetenz A (ASQ)
Module title (English)	Business Skills A
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-MA0905 Business Skills B	
Module code	FMI-MA0905
Module title (German)	Wirtschaftskompetenz B (ASQ)
Module title (English)	Business Skills B
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-SQ0101 ASQ Module Programming Languages and Programming I - 3 CP	
Module code	FMI-SQ0101
Module title (German)	ASQ-Modul Programmiersprachen und Programmierung I - 3 LP
Module title (English)	ASQ Module Programming Languages and Programming I - 3 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	30 h

Modul FMI-SQ0102 ASQ Module Programming Languages and Programming II - 3 CP	
Module code	FMI-SQ0102
Module title (German)	ASQ-Modul Programmiersprachen und Programmierung II - 3 LP
Module title (English)	ASQ Module Programming Languages and Programming II - 3 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	30 h

Modul FMI-SQ0105 ASQ Module Programming Languages and Programming I - 6 CP	
Module code	FMI-SQ0105
Module title (German)	ASQ-Modul Programmiersprachen und Programmierung I - 6 LP
Module title (English)	ASQ Module Programming Languages and Programming I - 6 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-SQ0106 ASQ Module Programming Languages and Programming II - 6 CP	
Module code	FMI-SQ0106
Module title (German)	ASQ-Modul Programmiersprachen und Programmierung II - 6 LP
Module title (English)	ASQ Module Programming Languages and Programming II - 6 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-SQ0121 ASQ Module Scripting Languages I - 4 CP	
Module code	FMI-SQ0121
Module title (German)	ASQ-Modul Skriptsprachen I - 4 LP
Module title (English)	ASQ Module Scripting Languages I - 4 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-SQ0122 ASQ Module Scripting Languages II - 4 CP	
Module code	FMI-SQ0122
Module title (German)	ASQ-Modul Skriptsprachen II - 4 LP
Module title (English)	ASQ Module Scripting Languages II - 4 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-SQ0125 ASQ Module Introduction to LaTeX for Scientists	
Module code	FMI-SQ0125
Module title (German)	ASQ-Modul LaTeX Grundlagen für Naturwissenschaftler und Informatiker - 4 LP
Module title (English)	ASQ Module Introduction to LaTeX for Scientists
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	4 CP
Work load:	120 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-SQ0130 Data Analysis with R	
Module code	FMI-SQ0130
Module title (German)	Datenanalyse mit R
Module title (English)	Data Analysis with R
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-SQ0131 ASQ Module Functional Programming	
Module code	FMI-SQ0131
Module title (German)	Funktionale Programmierung
Module title (English)	ASQ Module Functional Programming
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-SQ0201 ASQ Module Business Skills I - 3 CP	
Module code	FMI-SQ0201
Module title (German)	ASQ-Modul Wirtschaftskompetenz I - 3 LP
Module title (English)	ASQ Module Business Skills I - 3 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-SQ0202 ASQ Module Business Skills II - 3 CP	
Module code	FMI-SQ0202
Module title (German)	ASQ-Modul Wirtschaftskompetenz II - 3 LP
Module title (English)	ASQ Module Business Skills II - 3 CP
Frequency of offer (how often is the module offered?)	Every semester
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-SQ0211 ASQ Module Project Management	
Module code	FMI-SQ0211
Module title (German)	ASQ-Modul Projektmanagement
Module title (English)	ASQ Module Project Management
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-SQ0301 ASQ Module Number Feeling and Structure Feeling - 3 CP	
Module code	FMI-SQ0301
Module title (German)	ASQ-Modul Zahlengefühl und Strukturgefühl - 3 LP
Module title (English)	ASQ Module Number Feeling and Structure Feeling - 3 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul FMI-SQ0302 ASQ Module Number Feeling and Structure Feeling - 6 CP	
Module code	FMI-SQ0302
Module title (German)	ASQ-Modul Zahlengefühl und Strukturgefühl - 6 LP
Module title (English)	ASQ Module Number Feeling and Structure Feeling - 6 CP
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-SQ0303 Go - a mathematical strategic board game	
Module code	FMI-SQ0303
Module title (German)	Go - Ein mathematisches Strategiespiel
Module title (English)	Go - a mathematical strategic board game
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul FMI-SQ0501 ASQ Module Informatics and Society	
Module code	FMI-SQ0501
Module title (German)	ASQ-Modul Informatik und Gesellschaft
Module title (English)	ASQ Module Informatics and Society
Frequency of offer (how often is the module offered?)	At irregular intervals
Duration of module	1 semester
ECTS credits	3 CP
Work load:	90 h
- In-class studying	30 h
- Independent studying (incl. preparations for examination)	60 h

Modul MED-MDS001 Medical Basics	
Module code	MED-MDS001
Module title (German)	Medizinische Grundlagen
Module title (English)	Medical Basics
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	2 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Modul MED-MDS002 Analysis of Medical Data and Signals	
Module code	MED-MDS002
Module title (German)	Analyse medizinischer Daten und Signale
Module title (English)	Analysis of Medical Data and Signals
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	2 semester
ECTS credits	12 CP
Work load:	360 h
- In-class studying	120 h
- Independent studying (incl. preparations for examination)	240 h

Modul MED-MDS003 Medical Imaging Systems and Image Processing	
Module code	MED-MDS003
Module title (German)	Bildgebende Verfahren und Bildverarbeitung in der Medizin
Module title (English)	Medical Imaging Systems and Image Processing
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	2 semester
ECTS credits	12 CP
Work load:	360 h
- In-class studying	120 h
- Independent studying (incl. preparations for examination)	240 h

Modul MED-MDS004 Applied Medical Statistics	
Module code	MED-MDS004
Module title (German)	Angewandte Statistik in der Medizin
Module title (English)	Applied Medical Statistics
Frequency of offer (how often is the module offered?)	Every second semester (beginning in winter semester)
Duration of module	2 semester
ECTS credits	12 CP
Work load:	360 h
- In-class studying	120 h
- Independent studying (incl. preparations for examination)	240 h

Modul MED-MDS005 Clinical Applications	
Module code	MED-MDS005
Module title (German)	Klinische Anwendungen
Module title (English)	Clinical Applications
Frequency of offer (how often is the module offered?)	Every second semester (beginning in summer semester)
Duration of module	1 semester
ECTS credits	6 CP
Work load:	180 h
- In-class studying	60 h
- Independent studying (incl. preparations for examination)	120 h

Abbreviations:

Abbreviations of lectures

IL....	Inaugural lecture
WG....	Working group
AM....	Advanced module
Exh....	Exhibition
BM....	Basic module
BzPS....	Begleitveranstaltung zum Praxissemester
C....	Consulting
To....	Tour
M....	Meeting
Blo....	Blockage
BC....	Block course
DV....	Slide show
IN....	Introductory session
RS....	Registrations
EC....	Exam course
EX....	Excursion
Exp....	Experiment/survey
FE....	Celebration/festivity
MS....	Movie screening
FEx....	Field exercise
BC....	Basic course
MaS....	Main seminar
MS/ BC....	Main seminar/block course
MaS/ Ex....	Main seminar/exercise
Inf....	Information session
IDS/E....	Interdisciplinary main seminar/ exercise
E....	Exam
E/T....	Exam/test
C....	Colloquium
C/I....	Colloquium/practical work
CS....	Conference/symposium
kV....	Kulturelle Veranstaltung
Cu....	Course

Abbreviations of lectures

Co....	Course
Lag....	Lagerung
TRP....	Training research project
RC....	Reading course
M....	Module
ME....	Musical event
AS....	Advanced seminar
OnS....	Online seminar
OnL....	Online lecture
P....	Practical work
I/S....	Practical work/seminar
PM....	Practice module
Sa....	Sample
PJ....	Project
PPD....	Propaedeutic
PS....	Proseminar
EPr....	Exam preparation
CSA....	Cross-sectional area
RE....	Revision course
LS....	Lecture Series
TC....	Training course
S....	Seminar
S/E....	Seminar/Excursion
S/E....	Seminar/Exercise
ST....	Service time
Sl....	Conference
SuSch....	Summer school
MISC....	Miscellaneous
OE....	Other event
LC....	Language course
Con....	Convention
TT....	Teleteaching
MN....	Meeting
Tu....	Tutorial
T....	Tutorial
E....	Exercise
E/BC....	Exercise/block course
E....	Exercises
E/I....	Exercise/interdisciplinary
E/I....	Exercise/practical work

Abbreviations of lectures

E/T....	Exercise/tutorial
Conf....	Conference
ViCo....	Video conference
L....	Lecture
L/C....	Lecture with colloquium
L/I....	Lecture/practical work
L/S....	Lecture/seminar
L/E....	Lecture/exercise
Sp....	Speech
TK....	Talk
OS....	Optional seminar
OL....	Optional lecture
Tr....	Training
Wo....	Workshop
WOS....	Workshop
CAC....	Certificate award ceremony

Other Abbreviations

Anm.....	Anmerkung
ASQ....	Allgemeine Schlüsselqualifikationen
AT....	Altes Testament
E....	Essay
FSQ....	Fachspezifische Schlüsselqualifikationen
FSV....	Fakultät für Sozial- und Verhaltenswissenschaften
GK....	Grundkurs
IAW....	Institut für Altertumswissenschaften
LP....	Leistungspunkte
NT....	Neues Testament
SQ....	Schlüsselqualifikationen
SS....	Sommersemester
SWS....	Semesterwochenstunden
TE....	Teilnahme
TP....	Thesenpublikation
ThULB....	Thüringer Universitäts- und Landesbibliothek
VVZ....	Vorlesungsverzeichnis
WS....	Wintersemester