

Study Handbook

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Abbreviations

Previous academic year (05/06)

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Biological Physics

Biological Physics TBPHM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
5A1396 Physics of Molecular Biology <i>Replaces 5A1357.</i>	5	D	30	-	-	-	1				
5A1582 Physics of Biomedical Microscopy <i>Under bearbetning</i>	4	D	28	-	-	20		2			
5A1584 Cellular Biophysics <i>Under bearbetning</i>	5	D	20	-	-	24			3		
5A1586 Experimental Biomolecular Physics <i>Under bearbetning</i>	4	D	34	-	-	15				4	5 h Study visit5 h Study visit
5A1588 Introduction to Biomedicine for Physicists <i>Under bearbetning</i>	4	D	28	-	-	-	1	2			
Elective Courses											
5A1390 Statistical Mechanics <i>Replaces 5A1350.</i>	5	D	30	30	-	-				4	
5A1391 Nonequilibrium Statistical Mechanics	5	D	30	-	-	-				4	
5A1393 Computational Physics <i>Replaces 5A1354.</i>	5	D	30	-	-	20	1				
5A1395 Membranes and Soft Matter <i>Replaces 5A1358.</i>	5	D	30	-	-	-			3		
5A1414 Radiation Detectors and Medical Imaging Systems	5	D	24	-	-	15			3	4	6 h Seminars, 20 h Study visit6 h Seminars, 20 h Study visit
5A1416 Radiation Sources for Therapy	2	D	10	-	-	-				4	14 h Study visit14 h Study visit
5A1490 Laser Chemistry <i>Under bearbetning</i>	4	D	24	-	-	12		2			
5A1491 Femtochemistry <i>Under bearbetning</i>	5	D	36	-	-	-			3		
5A1495 Molecular Physics <i>Under bearbetning</i>	5	D	34	10	-	-			3		
5A1511 Optical Physics <i>Under bearbetning</i>	4	D	26	14	-	16	1				
5A1512 Optical Physics, Extended Course <i>Can only be studied together with 5A1511.</i> <i>Under bearbetning</i>	2	D	12	6	-	10	1				
5A1520 Problem Solving in Optics <i>Under bearbetning</i>	4	D	-	-	-	-	1	2	3	4	
5A1585 Cellular Biophysics II <i>Given in period 4 if there is a sufficient demand.</i> <i>Under bearbetning</i>	4	D	20	-	-	8				4	

<u>5A1587 Experimental Biomolecular Physics, Advanced Course</u> <i>Given in period 4 if there is a sufficient demand</i> <i>Under bearbetning</i>	4	D	20	-	-	-				4	12 h Seminars12 h Seminars
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Master's Progr, Biotechnology

Master's Progr, Biotechnology TBIOM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2D1396 Bioinformatics	4	D	-	-	-	-		2			
3A1110 Molecular Enzymology	5	D	-	-	-	-				4	
3A1112 Biochemical Analyses and Separation Techniques	5	D	32	-	-	30		2			
3A1209 Biochemical Technology, Theory	5	D	40	10	-	-			3	4	
3A1316 Industrial and Environmental Microbiology, Theory	5	D	-	-	-	-			3		
3A1504 Structure Biology	4	D	30	-	-	22				4	6 h Seminars6 h Seminars
3A1506 Drug Development	4	D	36	-	-	-			3		8 h Study visit8 h Study visit
3A1518 Introduction to Biotechnology	5	C	20	-	-	-	1				20 h Projektuppgift20 h Projektuppgift
3A1519 Applied Gene Technology	4	D	18	-	-	-	1				
3A1520 Micro- and Nanotechnologies for Biotechnology	3	D	10	10	-	-			3		
3A1521 Proteomics technologies	3	D	24	-	-	-			3		

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Computer Science

Computer Science TDATM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
2D1110 Complementary Course in Mathematics for Computer Scientists	5	A	-	-	34	6	1				
2D1220 Applied Numerical Methods I	4	C	36	-	-	14			3	4	
2D1240 Numerical Methods, Basic Course II	4	A	24	14	-	14	1	2			
2D1240 Numerical Methods, Basic Course II	4	A	24	14	-	14		2	3		
2D1257 Visualization	4	C	16	-	-	14			3		
2D1323 Computer Graphics and Interaction <i>Allowed for all programmes except D.</i>	4	C	30	-	-	8				4	
2D1334 Database Technology	4	C	24	20	-	12			3		
2D1352 Algorithms, Data Structures and Complexity	6	C	44	24	-	18			3	4	
2D1354 Algorithms and Complexity	4	C	30	18	-	-	1	2			
2D1361 Programming Paradigms	5	C	42	-	-	24	1	2			
2D1363 Software Engineering	8	D	40	-	-	-		2	3	4	
2D1371 Theory of Automata	4	C	20	-	-	10				4	
2D1375 Implementation of Programming Languages <i>Self-study course. The course is given for the last time 06/07.</i>	4	D	2	-	-	-	1	2			
2D1377 Low Level Programming and Computer Architecture	5	C	28	-	-	24			3		
2D1378 Text and Image Processing <i>Given 06/07. The course is given every second year.</i>	4	A	28	18	-	-		2			
2D1380 Artificial Intelligence	4	C	24	4	-	30	1				
2D1381 Industrial Applications of Artificial Intelligence	4	C	36	-	-	-	1	2			
2D1385 Software Engineering	4	C	24	12	-	18				4	
2D1387 Program System Construction Using C++	4	C	18	6	-	32	1	2			
2D1390 Internet Programming	4	C	18	-	-	32		2			
2D1413 Advanced Graphics and Interaction	6	D	46	-	-	12	1	2			

2D1418 Language Engineering	4	D	40	-	-	12	1				
2D1422 Image Analysis and Computer Vision <i>Replaces 2D1421.</i>	4	C	30	2	-	20		2			
2D1426 Robotics and Autonomous Systems*	5	D	16	-	-	60				4	
2D1427 Image Based Recognition and Classification <i>Replaces 2D1425.</i>	4	D	26	-	-	8			3		
2D1431 Machine Learning	4	C	26	-	-	20		2			
2D1432 Artificial Neural Networks and Other Learning Systems	4	D	26	-	-	16			3		
2D1433 Artificial Neural Networks, Advanced Course	4	D	16	-	-	8				4	4 h Seminars4 h Seminars
2D1435 Mathematical Modelling of Biological Systems	6	D	26	-	-	20	1	2			
2D1440 Advanced Algorithms	4	D	30	-	-	-		2			
2D1446 Complexity Theory <i>The course is given every second year and will not be given in 06/07.</i>	4	D	30	-	-	-					
2D1449 Foundations of Cryptography	4	D	30	-	-	-			3		
2D1450 Algorithmic Bioinformatics	4	D	36	-	-	-				4	
2D1452 Formal Methods	5	D	20	14	-	12			3		
2D1453 Advanced Formal Methods	5	D	12	8	-	-				4	
2D1454 Semantics for Programming Languages <i>Replaces 2G1117.</i>	4	D	20	10	-	-		2			
2D1455 Theoretical Foundations of Object-Orientation	5	D	28	4	-	10				4	
2D1456 Advanced Functional Programming <i>The course is not given from the studying year 07/08</i>	4	D	28	-	-	14			3		
2D1458 Problem Solving and Programming under Pressure*	6	C	26	-	-	32	1	2			
2D1464 Bigger Advanced, Individual Course in Computer Science <i>The course can be studied any time during the semesters.</i>	6	D	-	-	-	-	1	2	3	4	
2D1465 Advanced, Individual Course in Computer Science <i>The course can be studied any time during the semesters.</i>	4	D	-	-	-	-	1	2	3	4	
2D1469 Database Theory <i>The course is given every second year. It will not be given 06/07.</i>	4	D	31	17	-	-					
2D1471 Modern Database Systems and Their Applications	5	D	26	8	-	-				4	
2D1483 Development of Web Applications with Enterprise Java <i>Replaces 2D1482.</i>	4	D	16	-	-	32			3		
2D1486 Systems Programming and Operating Systems	5	D	24	-	-	24		2			
2D1490 IP Routing in Simple Computer Networks	5	D	24	8	-	32				4	
2D1491 IP Routing in Internet and Other Complex Networks <i>The course will not be given 06/07.</i>	5	D	24	8	-	32					

2D1492 Net Design, Project Course <i>The course is given every second year. Not given 06/07.</i>	6	D	12	4	-	8					
2D1493 Seminars on Grid Computing and Internetworking <i>The course is given every second year. Given 06/07.</i>	4	D	20	-	-	12	2				
2D1522 Computer Technology and Data Communication	4	A	30	-	-	20				4	
2D1600 Communication in Engineering Sciences	5	A	8	30	-	10	1	2			
2D1620 Human-Computer Interaction, Introductory Course	4	C	20	10	-	2	1				
2D1622 Human-Computer Interaction, Advanced Course	4	C	18	5	-	8		2			
2D1625 IT-design for the Disabled <i>Given if there are at least 15 participants.</i>	4	A	18	-	-	8				4	Seminars 8 h
2D1631 Software Support for Prototyping	4	C	11	6	-	16	1	2			
2D1640 Graphics and Interaction Programming	6	C	36	14	-	42			3	4	
2D1650 Computer Game Design* <i>Limited number of participants.</i>	4	D	24	6	-	4		2			
2D1651 Computer Game Design and Advanced Graphics* <i>Limited number of participants.</i>	6	D	48	12	-	18	1	2			
2D1655 Cooperative IT-design <i>Replaces 2D1410.</i>	6	D	26	8	-	22			3	4	

*The course has limited participation

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Computer Science

Computer Science TDATM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Elective Courses												
2D1041 Degree Project in Computer Science (Master of Science)	20	D	-	-	-	-						

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Computer Networks

Computer Networks TDNVM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6H3707 Network Security*_	5	C	-	-	-	-	2				
Conditionally Elective Courses											
6H3702 Communication Networks	5	C	-	-	-	-	1				
6H3703 The Internet Protocols	5	C	-	-	-	-	2				
6H3705 Router Technology and Multi-service Networks I	5	C	-	-	-	-	1				
6H3706 Router Technology and Multi-service Networks II	5	C	-	-	-	-	2				
6H3708 Queuing Theory	5	C	-	-	-	-	1				
6H3709 Transform Methods and Calculus of Several Variables	5	A	-	-	-	-	1				
6H3710 Network Management	5	D	-	-	-	-			3		
6H3711 Simulation of Computer Networks	5	C	-	-	-	-			3		
6H3712 Wireless Networks	5	D	-	-	-	-				4	
6H3713 Routing in IP Networks	5	D	-	-	-	-				4	
6H3719 Web-server Programming	5	D	-	-	-	-				4	
6H3721 Programming of Mobile Services	5	D	-	-	-	-				4	
6H3722 Network Security, Advancec Course	5	C	-	-	-	-	2				
6H3723 Network Java Programming	5	C	-	-	-	-			3		
Elective Courses											
6H3704 Transform Methods and Numerical Analysis	5	A	-	-	-	-	1				
6H3714 Numerical Analysis and Calculus of Several Variables	5	A	-	-	-	-	1				

*The course has limited participation

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Computer Networks

Computer Networks TDNVM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6H3700 Master's Project in Computer Networks	20	D	-	-	-	-	1	2			

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Design and Building

Design and Building TDOBM2

No admission 2006

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1A1H39 <u>Infrastructure and City Planning</u> <i>Under bearbetning</i>	3	C	-	-	-	-	1				
6H3733 <u>Lighting and Design</u>	5	C	-	-	-	-	1				
Conditionally Elective Courses											
1A1H3A <u>Architectural Project X</u> <i>Under bearbetning</i>	10	C	-	-	-	-		2			
6H3797 <u>Master´s Project in Design and Building</u> <i>Under bearbetning</i>	10	C	-	-	-	-		2			
Elective Courses											
1A1H43 <u>Voluntary Croquis Drawing 3</u> <i>Under bearbetning</i>	1	B	-	-	-	-	1				

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Electric Power Engineering

Electric Power Engineering TEPEM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2AXXXX No translation <i>Under bearbetning</i>	0		30	-	-	-	2				
2C1115 Power Systems, Basic Course	5	C	-	-	70	-	1				
2C1135 Reliability Evaluation of Electrical Power Systems	4	C	48	12	-	-	2				
2C1241 Electrical Machines and Drives	5	D	28	20	-	12			3		
2C1242 Power Electronics	5	D	28	20	-	12	1				1 design project
2C1520 Requirements Engineering	5	D	22	-	-	-		2			
2C1523 Power System Control and Operation	5	C	36	10	-	3				4	
Conditionally Elective Courses											
2C1119 Electricity Market Analysis	5	D	70	-	-	-				4	
2C1134 Electrotechnical Design	5	D	32	-	-	8			3		
2C1210 FACTS and HVDC in electric power systems in electric power systems	5	D	68	-	-	4	1				
2C1211 Monte Carlo-methods in Engineering	4	D	32	-	-	-		2			
2C1245 Modulation of Power Electronic Converters	5	D	-	-	-	-	1				
2C1246 Analysis of Electrical Machines advanced course	3	D	14	-	-	-	1				
2C1524 Management of Projects	5	D	32	20	-	-	1				
Elective Courses											
2C1116 Power Systems, Advanced Course	5	D	-	-	72	-		2			
2C1117 Wind Power Systems <i>Replaces 2C1114.</i>	5	D	60	-	-	-			3	4	
2C1118 Systems Planning <i>Replaces 2C1111.</i>	5	C	64	-	-	3			3		
2C1132 High-voltage Engineering	5	D	26	-	-	12				4	
2C1148 Analysis of Electrical Machines	5	D	28	20	-	4				4	
2C1244 Seminars in Electrical Machines and Power Electronics	1	D	16	-	-	-	1	2			
2C1244 Seminars in Electrical Machines and Power Electronics	1	D	8	-	-	-			3	4	

2E1245 Hybrid and Embedded Control Systems <i>This course is not given in 06/07. Next time the course will be given is 07/08.</i>	5	D	28	28	-	8			3		
2E1262 Nonlinear Control	5	D	28	28	-	8		2			

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Environmental Engineering and Sustainable Infrastructure

Environmental Engineering and Sustainable Infrastructure TESIM1

At least two Conditionally Elective courses must be completed

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1B1634 Environmental Impact Assessment* <i>First prio: Students within S- and TESIM-program. Second prio: Incoming exchange-students S.</i> <i>Under bearbetning</i>	5	C	30	26	-	-	1				8h Excursion
1H1142 Political Economy for Environmental Planners* <i>First prio: Students within TESIM-program. Second prio: Incoming exchange-students S.</i> <i>Under bearbetning</i>	5	C	30	6	-	-	1				8h Seminars
1U1030 Theory of Science, Research Methodology and Excursions <i>Under bearbetning</i>	5	D	29	-	-	-	1	2		4	Exkursion 40hSeminars Exkursion 40h
Conditionally Elective Courses											
1B1291 Environmental Dynamics/Chemical Processes	5	C	24	-	-	-		2			Exercises/lab.work 30h
1B1292 Environmental Dynamics/Physical Processes	5	C	26	28	-	-		2			
1H1143 Sustainable Rural and Urban Development* <i>First prio: Students within TESIM-program. Second prio: Incoming exchange-students S.</i> <i>Under bearbetning</i>	5	C	32	-	-	-		2			24h Seminars, 8h Excursion
1H1501 Human Settlements and Housing	5	D	24	-	-	-		2			
Recommended Courses											
1B1233 Water and Waste Handling <i>Under bearbetning</i>	5	C	-	-	77	-			3		
1B1635 Quantitative Hydrogeology	5	D	16	16	-	-				4	15h Computer-lab
1B1640 Natural Resources Management	5	D	19	-	-	36				4	
1E1610 Environmental Data* <i>First prio: Students within S- and TESIM-program. Second prio: Incoming exchange-students S.</i> <i>Under bearbetning</i>	5	D	18	2	-	38			3		
1F1462 Management of Land and Water	5	D	22	-	-	-			3		23h Seminars
1H1141 Urban Infrastructure <i>Under bearbetning</i>	5	D	36	-	-	-			3		12h Seminars, 4h Excursion, 20h Project
1H1146 Sustainable Project Management	5	C	35	-	-	30				4	24h Excursion



1M1405 Environmental Geology	5	D	27	27	-	-			4	
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*The course has limited participation

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Photonics

Photonics TFOTM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2B1811 Optics	6	D	38	20	-	35	1				
2B1812 Microwave Engineering	5	D	36	18	-	10		2			
2B1813 Fiber-optical Communication	5	D	28	14	-	8			3		
2B1814 Photonics	5	D	38	-	-	8				4	
2B1821 Principles of Communications	4	D	24	12	-	-	1				
2B1822 Quantum Electronics	5	D	24	16	-	-		2			
2B1823 Advanced Semiconductor Materials	5	D	34	-	-	16			3		Study tour to a semiconductor industry
2B1824 Optical Networking	5	D	28	-	-	-				4	

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Geodesy and Geoinformatics

Geodesy and Geoinformatics TGGIM1

At least two of the recommended courses must be fulfilled in addition to compulsory courses

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1N1250 Reference Systems	5	C	30	-	-	40	1				
1N1257 Satellite Positioning with GPS	5	D	22	-	-	30		2			36h Field exercises
1N1653 GIS Architecture	5	C	24	-	-	48	1				
1N1656 Visualisation Techniques	5	C	24	-	-	48		2			
Recommended Courses											
1N1253 Physical Geodesy	5	D	28	-	-	36			3		
1N1256 Integrated Navigation	5	D	30	-	-	30				4	
1N1258 Laser Scanning Technologies	5	C	16	-	-	40			3		
1N1259 Engineering Surveying	5	D	16	-	-	40				4	
1N1655 Digital Image Processing and Applications	5	D	44	-	-	60			3		Filed exercises 4d
1N1657 A GIS Project	5	D	-	-	-	40				4	Seminars 24h
1N1660 Spatial Analysis	5	D	24	-	-	48			3		
1N1666 Web-GIS	5	D	24	-	-	48				4	

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Buildings and Building Services

Buildings and Building Services THITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1L1051 Building Physics with Applications	10	C	40	60	-	-	1				Computer-labs 10h
1L1301 Building Material, Advanced Course	5	D	33	22	-	-		2			12h Seminars, 10h Study-visits
1L1403 Building Technology, Advanced Course	5	D	33	44	-	-			3		
1L1502 Building Services Engineering, Advanced Course	5	D	33	31	-	9		2			
6H3750 Calculation Methods and Visualization in the Design Process <i>Under bearbetning</i>	5	C	36	20	-	-				4	5h Seminars
6H3751 Climate System and Sustainable Energy Utilization <i>Under bearbetning</i>	5	D	30	20	-	-			3		5h Seminars
Conditionally Elective Courses											
1L1042 Operation, Maintenance and Reconstruction of Buildings	5	C	25	20	-	-				4	Study Visits 15h
1L1402 Acoustics and Fire	5	C	33	44	-	-	1				
1L1503 Indoor Climate and Industrial Ventilation	5	D	20	-	-	8			3		
1L1504 Building Services Engineering, Simulation	5	D	27	39	-	-				4	
6H3752 Computational Fluid Dynamics in Buildings <i>Under bearbetning</i>	5	D	36	20	-	-				4	5h Seminars

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Master's Progr, Industrial Management

Master's Progr, Industrial Management TIMAM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
4D1048 Project Management: Leadership and Control <i>Examinor: Johann Packendorff.</i>	4	B	40	8	-	-	1				
4D1076 Leadership in Cross-Cultural Context* <i>The course is maximized to 60 students.</i>	4	C	22	12	-	-		2			12 h Seminars12 h Seminars
4D1152 Industrial Marketing, Advanced Course <i>Examiner: Henrik Ugglä.</i>	4	C	36	-	-	-		2			12 h Seminars12 h Seminars
4D1163 Performance and Cost Analysis <i>Examinor: Håkan Kullvén.</i>	4	B	34	-	-	-		2			4 h Seminars4 h Seminars
4D1701 Research Methodology	4	D	12	-	-	-	1				

*The course has limited participation

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Industrial Ecology

Industrial Ecology TIEKM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
3C1387 Environmental Systems Analysis	4	C	16	8	-	6		2			
Recommended Courses											
3A1104 Environmental Toxicology	6	D	36	14	-	-	1	2			
3B1102 Analytical Chemistry	4	C	16	-	-	16			3		
3B1211 Quantum Chemistry and Spectroscopy	6	D	48	-	-	8	1				
3B1223 Molecular Thermodynamics	4	D	24	4	-	-			3		
3B1231 NMR-spectroscopy	4	D	30	-	-	12		2			
3B1242 Technical Surface Colloid Chemistry	4	C	32	6	-	12			3		
3B1301 Nuclear Chemistry	5	C	30	-	-	20		2			
3B1312 Nuclear Fuel Cycle	4	D	16	-	-	6			3		Project
3B1321 Radical Chemistry	5	C	30	-	-	-			3		
3B1443 Atmosphere, Aquatic and Terrestrial Chemistry	5	C	12	10	-	24				4	
3B1451 Bio-inorganic Chemistry	5	D	20	6	-	15				4	
3B1456 Inorganic Materials Chemistry	5	D	20	6	-	15				4	
3B1482 Structural Chemistry	5	D	16	6	-	16	1				
3B1483 Nano-structured Materials	5	D	16	6	-	16		2			
3B1511 Organic Chemistry, Advanced Course 1	9	C	12	6	54	-	1			4	
3B1521 Organic Chemistry, Theory, Advanced Course 1	5	C	12	6	-	-				4	
3B1544 Applied Organic Molecular Spectroscopy	4	D	-	-	-	-	1				
3B1545 Selective Organic Synthesis	4	D	28	-	-	-			3		
3B1700 Introductory Chemistry	4	A	24	18	-	22	1				
3B1711 Chemical Equilibria	4	A	12	22	-	25			3	4	
3B1725 Chemical Thermodynamics	4	A	28	30	-	-	1				
3B1730 Molecular Structure	5	A	36	22	-	20		2	3		
3B1740 Chemical Dynamics	4	A	20	20	-	15			3		
3B1750 Organic Chemistry 1	5	A	20	14	-	42		2			

3B1760 Organic Chemistry 2	5	A	16	10	-	42				4	6 h Computer6 h Computer
3B1770 Chemical Measuring Techniques	5	A	22	4	-	12	1				
3B1782 Inorganic Chemistry	4	C	24	4	-	20	1				40 h Projektuppgift40 h Projektuppgift
3C1330 Technology and Environmental	4	A	22	3	-	-	1				
3C1343 Environmental Technology, Advanced Course II	6	D	-	-	-	-					Project work
3C1347 Environmental Technology and Environmental Impact Studies, Larger Course	8	D	40	17	-	-			3	4	Projekt work 16 h, Tutorials/Lab. 16h
3C1350 Waste Management, Advanced Course	4	D	18	-	-	-				4	Project work, assignments, Study visit
3C1365 Environmental Consequences, Advanced Course II	4	D	15	15	-	40	1	2			Field exercises
3C1380 Environmental Management	4	C	10	-	-	-			3		12 h Seminars12 h Seminars
3C1383 Risk Management	4	C	16	30	-	-	1				
3C1387 Environmental Systems Analysis	4	C	16	8	-	6		2			
3C1422 Industrial Energy Processes	5	D	20	20	-	-	1	2			
3C1451 Introduction to Chemical Engineering	7	A	39	26	-	-		2	3		Plant Trip 1 day
3C1524 Chemical Engineering	6	D	16	18	-	12				4	
3C1616 Reaction and Separation Engineering	7	C	28	30	-	12	1	2			8 h Seminars, 10 h Computer, 8 h Study visit8 h Seminars, 10 h Computer, 8 h Study visit
3C1621 Process Chemistry	5	D	36	72	-	-			3		10 h Seminars10 h Seminars
3C1626 Chemical Engineering, Laboratory Course	4	D	2	-	80	-			3		
3C1633 Chemical Reaction Engineering	6	D	16	24	-	34	1	2			
3C1651 Environmental Catalysis	4	D	30	-	-	-			3		6 h Seminars, 6 h Study visit6 h Seminars, 6 h Study visit
3C1654 Computational Project in Chemical Engineering	5	D	-	-	-	-				4	
3C1715 Transport Phenomena and Engineering Thermodynamics	7	C	28	40	-	12		2	3		6 h Seminars, 12 h Computer6 h Seminars, 12 h Computer
3C1723 Transport Phenomena, Advanced Course	5	D	18	12	-	-			3		6 h Seminars, 12 h Computer6 h Seminars, 12 h Computer
3C1781 Chemical Engineering in Fine and Specialty Chemicals	5	D	20	12	42	27	1				8h industry visit
3C1823 Applied Electrochemistry	5	D	32	16	-	15			3		
3C1941 Chemical Engineering, Design Course	10	D	40	120	-	-				4	
3C4350 Environmental Technology	5	C	-	-	-	-	1	2			
3D1058 Wood Chemistry and Wood Biotechnology	4	D	26	-	-	15			3		
3D1059 The Chemistry of Pulping and Bleaching	5	D	26	-	-	-		2			24 h Seminars24 h Seminars
3D1112 Fiber Technology	4	D	26	-	-	15				4	
3D1113 Paper Physics	4	D	20	-	-	20		2			
3D1114 Paper Processes Technology	4	D	20	-	-	20			3		

3D1115 Pulp and Paper Processes	6	D	40	-	-	48	1	2			
3D1164 Pulp Technology	4	D	24	-	-	-				4	24 h Seminars24 h Seminars
3E1141 Polymer Chemistry	5	D	18	18	-	45	1				
3E1200 Polymer Technology with Cellulose Technology	5	C	34	25	-	-				4	

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Industrial Ecology

Industrial Ecology TIEKM4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Recommended Courses											
3C1381 Environmental Management II, Advanced Course	4	D	8	6	-	-				4	

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Master's Progr, Industrial Economics and Management

Master's Progr, Industrial Economics and Management TIEOM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
4D1300 Managing Technology Based Organization <i>Examiner: Eric Giertz.</i>	2	A	20	-	-	-		2			
4D1301 Gender & Management <i>Examiner: Pär Blomkvist</i>	4	C	40	-	-	-	1	2			10 h Seminars10 h Seminars
4D1303 Research Methodology <i>Examiner: Monica Lindgren</i>	2	D	12	-	-	-				4	
4D1315 Science, Technology and Society	4	D	28	-	-	-				4	4 h Seminars4 h Seminars
Conditionally Elective Courses											
4D1038 Operations Management: Organization and Control <i>Examinor: Johann Packendorff.</i>	4	B	46	12	-	-		2			
4D1047 Project Management: Leadership and Control <i>Examiner: Johann Packendorff.</i>	4	B	40	8	-	-	1				
4D1049 Project Management: Leading Project-Based Operations	4	C	36	12	-	-			3		
4D1062 Industrial Marketing <i>Examiner: Henrik Ugglä.</i>	4	B	36	12	-	-	1				
4D1098 Organizational Change and Change Management*	4	C	-	8	-	-				4	36 h Seminars36 h Seminars
4D1152 Industrial Marketing, Advanced Course <i>Examiner: Henrik Ugglä.</i>	4	C	36	-	-	-		2			12 h Seminars12 h Seminars
4D1177 Digital Media Management <i>Examiner: Professor Claes Gustafsson.</i>	4	C	30	12	-	-				4	
4D1308 Knowledge Management	4	D	18	12	-	-				4	12 h Seminars12 h Seminars
4D1313 Reflective Practice <i>In case that too few students sign up for this course, the course will be cancel. Not given 2006/07.</i>	4	D	10	-	-	-					20 h Seminars20 h Seminars
4D1521 Ideation - Creating a Business Idea* <i>www.sses.se Examiner: Alf Rehn. www.sses.se</i>	5	C	22	-	-	-	1				2 h Seminars2 h Seminars
4D1522 Planning - Developing a Venture* <i>www.sses.se Examiner: Monica Lindgren. www.sses.se</i>	5	C	22	-	-	-		2			2 h Seminars2 h Seminars

4D1523 Execution - Running your own Company* <i>www.sses.se Examiner: Alf Rehn. www.sses.se</i>	5	C	28	-	-	-		3	
4D1523 Execution - Running your own Company* <i>www.sses.se Examiner: Alf Rehn. www.sses.se</i>	5	C	28	-	-	-	1		
Elective Courses									
4D1025 Economics and Law for Media <i>Examiner: Bengt Domeij.</i>	5	C	24	18	-	-		2	8 h Seminars8 h Seminars
4D1052 Intellectual Property Law <i>Examiner: Bengt Domeij.</i>	4	C	18	8	-	-		4	6 h Seminars6h Seminars
4D1054 Industrial Dynamics and Technical Change <i>Examiner: Pär Blomkvist.</i>	4	C	36	-	-	-		3	8 h Seminars8 h Seminars
4D1057 Advanced Patent Law <i>Not given 2006/07.</i>	4	C	4	14	-	-			14 h Seminars14h Seminars
4D1059 Management of New Technology and Industrial Creativity <i>Examinor: Staffan Laestadius.</i>	4	C	36	8	-	-		2	8 h Seminars8 h Seminars
4D1076 Leadership in Cross-Cultural Context* <i>The course is maximized to 60 students.</i>	4	C	22	12	-	-		2	12 h Seminars12 h Seminars
4D1096 Human Resource Management <i>Examiner: Matti Kaulio.</i>	4	B	28	12	-	-		3	
4D1098 Organizational Change and Change Management*	4	C	-	8	-	-			4 36 h Seminars36 h Seminars
4D1099 Managing Risks in Complex Technical Systems <i>Examiner: Lena Mårtensson.</i>	4	C	12	-	-	-	1		18 h Seminars18 h Seminars
4D1165 Behavioural Management Control <i>Examinor: Håkan Kullvén.</i>	4	C	34	-	-	-		3	4 h Seminars4 h Seminars
4D1167 Behavioral Finance <i>Examiner: Birger Ljung.</i>	4	C	20	-	-	-			4 8 h Seminars8 h Seminars
4D1306 Art, Science and Skill <i>Not given 2006/07. Examiner: Bo Göransson. Not given 2006/07.</i>	4	C	14	-	-	-			9 h Seminars9 h Seminars
4D1403 IT & Management II: Strategies*	4	C	16	-	-	-		2	12 h Seminars, 4 h Study visit12 h Seminars, 4 h Study visit

*The course has limited participation

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Production Engineering and Management

Production Engineering and Management TPEMM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
4G1180 European Business Culture	5	C	30	60	-	-			3	4	
4G1181 Design and Process Modelling	5	C	30	60	-	-	1	2			
4G1182 Quality Control	6	D	30	60	-	-	1	2	3	4	
4G1183 Process Control and Management	6	D	30	60	-	-			3	4	
4G1184 Manufacturing Technology and Planning	6	D	30	60	-	-	1	2			
4G1185 Operations Management	6	C	30	60	-	-	1	2	3	4	
4G1186 Design and Information Management	6	D	30	60	-	-	1	2	3	4	

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Informations- och kommunikationssäkerhet

Informations- och kommunikationssäkerhet TIKSM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
211501 Introduction to Information Security and its Environment <i>The course cannot be included in an exam together with any of the courses 211030, 211273, 211278, 214075.</i>	10	D	22	-	-	16	1				Seminars 10 h
211503 Network Security <i>Replaces 211274 from 04/05</i>	5	D	18	-	-	18		2			
211530 Philosophy of Science <i>Each student will be required to submit two written exam papers, each 8-12 pages long representing at least 40 working hours. (INL1&2, 1p each)</i>	5	D	18	-	-	-	1	2			
211531 Research Methodology and Scientific Communication <i>Students who have taken or who are going to take the course 211614 cannot apply for 211513.</i>	5	D	18	-	-	-			3	4	
Conditionally Elective Courses											
211504 Software Engineering and Security Architecture	5	D	18	-	-	18			3		
211505 Legal Aspects of Information Security	5	D	24	-	-	12			3		
211506 Security Management <i>Cannot be included in an exam together with course 211050</i>	10	D	24	-	-	6				4	Seminars 18 hours
211512 Security Architecture for Open Distributed Systems <i>The course is a replacement for 211272 from 06/07. Students who have already taken the course 211272 can therefore not apply for this one.</i>	5	D	24	-	-	16			3		
211513 Security for Java Environment and Electronic Commerce <i>The course is a replacement for 211276 from 06/07. Students who have already taken the course 211276 can therefore not apply for this one.</i>	5	D	24	-	-	16				4	
211514 Security in Mobile and Wireless Networks <i>The course is a replacement for 211279 from 06/07. Students who have already taken the course 211279 can therefore not apply for this one.</i>	5	D	24	-	-	16				4	
Elective Courses											

2A1170 Chaos and Self-organization	4	D	32	17	-	-	1				
2D1441 Seminars on Theoretical Computer Science <i>The course is given every second year and will be given in 06/07.</i>	4	D	30	-	-	-				4	
2G1701 Advanced Internetworking <i>The course is given in Kista.</i>	6	D	8	18	-	20	1				Group project, additional lectures online
2G1704 Internet Security and Privacy	5	D	30	10	-	-		2			assigned paper
2I1401 Research Methodology and Scientific Writing	2	D	15	-	-	-	1				

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Informations- och kommunikationssäkerhet

Informations- och kommunikationssäkerhet TIKSM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
211530 Philosophy of Science Each student will be required to submit two written exam papers, each 8-12 pages long representing at least 40 working hours. (INL1&2, 1p each)	5	D	18	-	-	-	1	2			
211531 Research Methodology and Scientific Communication Students who have taken or who are going to take the course 211614 cannot apply for 211513.	5	D	18	-	-	-		2			
Conditionally Elective Courses											
211511 Value Based Risk Management	5	D	12	12	-	-		2			
Elective Courses											
211259 Value-Based Software Engineering	5	D	28	-	-	-				4	Seminar 14 h

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Master's Progr, Information technology with Specialisation in Entrepreneurship

Master's Progr, Information technology with Specialisation in Entrepreneurship TITEM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2G1731 <u>ICT Venture Creation</u>	10	C	-	-	52	-	1				Seminars 13 x 2, Period 1 and 2
2G1732 <u>Business Opportunities in ICT</u>	5	C	-	-	-	-	1				
2G1733 <u>Global Entrepreneurial Leadership in ICT</u>	5	C	-	-	-	-		2			
2G1741 <u>ICT System Design</u>	20	D	-	-	-	-			3	4	

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Master's Progr, Economics of Innovation and Growth

Master's Progr, Economics of Innovation and Growth TEIGM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1N1701 Microeconomics	5	C	25	25	-	-	1				
1N1702 Econometrics	5	C	25	25	-	15	1				
1N1703 Macroeconomics	5	C	30	10	-	-		2			Tutoring 6h
1N1704 Industrial Dynamics	5	D	30	20	-	-		2			
1N1705 Financial Economics	5	D	30	20	10	-			3		
1N1706 Economic Geography	5	D	30	10	-	-			3		
1N1707 International Economics	5	D	30	10	10	-				4	
1N1708 Public Economics	5	C	30	10	-	-				4	

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Master's Progr, Economics of Innovation and Growth

Master's Progr, Economics of Innovation and Growth TEIGM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
1N1007 Degree Project in the Economics of Innovation and Growth (Master of Science)	20	D	-	-	-	-						Tutorials continuously during period 1 Tutorials continuously during period 1-2, and on request during period 3-4.

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Internetworking

Internetworking TINTM1

*The students must choose one of the courses 2G1711, 2G1712 or 2G1713 as compulsory

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2G1701 <u>Advanced Internetworking</u> <i>The course is given in Kista.</i>	6	D	8	18	-	20	1				Group project, additional lectures online
2G1703 <u>Inter Domain Routing</u>	5	D	10	-	-	20		2			Home assignment
2G1704 <u>Internet Security and Privacy</u>	5	D	30	10	-	-		2			assigned paper
2G1705 <u>Research Methodology and Scientific Writing</u>	5	D	-	-	-	-	1				
Conditionally Elective Courses											
2B1315 <u>Dimensioning of Communication Systems</u>	5	C	26	24	-	-			3		
2E1632 <u>Management of Networks and Networked Systems</u> <i>The course replaces 2G1332.</i>	5	D	20	-	-	-				4	Project
2G1325 <u>Practical Voice Over IP (VoIP)</u>	5	D	10	-	-	-				4	Assigned paper 50h
2G1330 <u>Wireless and Mobile Network Architectures</u>	5	D	10	-	-	-			3		Assigned paper 50h
2G1722 <u>Developing Mobile Applications</u>	5	D	20	-	-	10			3		
2G1723 <u>GSM Network and Services</u>	5	D	20	-	-	10				4	Laboratory 5 sessions
2G1755 <u>Telecom policies and Regulatory Principles</u>	5	C	20	-	-	-			3	4	
2I2125 <u>Management of IT-enabled Change</u>	5	D	20	-	-	-			3		Seminars 10 h, Team project 10 h
Elective Courses											
2G1751 <u>Network Society</u>	5	C	20	-	-	-			3	4	Assigned paper 50 h

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Chemical Engineering

Chemical Engineering TKETM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
3C1422 Industrial Energy Processes	5	D	20	20	-	-	1	2			
3C1524 Chemical Engineering	6	D	16	18	-	12				4	
3C1633 Chemical Reaction Engineering	6	D	16	24	-	34	1	2			
3C1723 Transport Phenomena, Advanced Course	5	D	18	12	-	-			3		6 h Seminars, 12 h Computer 6 h Seminars, 12 h Computer
3C1781 Chemical Engineering in Fine and Specialty Chemicals	5	D	20	12	42	27	1				8h industry visit
Recommended Courses											
2D1225 Numerical Solutions of Differential Equations	4	C	24	4	-	12	1	2			
2D1320 Applied Computer Science	4	A	28	14	-	20	1	2			
2E1200 Automatic Control, General Course	4	C	24	26	-	12	1				
2E1291 Chemical Process Control	4	C	20	28	-	8			3		
3B1102 Analytical Chemistry	4	C	16	-	-	16			3		
3B1211 Quantum Chemistry and Spectroscopy	6	D	48	-	-	8	1				
3B1242 Technical Surface Colloid Chemistry	4	C	32	6	-	12			3		
3B1443 Atmosphere, Aquatic and Terrestrial Chemistry	5	C	12	10	-	24				4	
3B1511 Organic Chemistry, Advanced Course 1	9	C	12	6	54	-	1			4	
3B1521 Organic Chemistry, Theory, Advanced Course 1	5	C	12	6	-	-				4	
3B1650 Molecular Simulations Using a Computer	5	D	14	10	-	40			3		
3B1700 Introductory Chemistry	4	A	24	18	-	22	1				
3B1711 Chemical Equilibria	4	A	12	22	-	25			3	4	
3B1725 Chemical Thermodynamics	4	A	28	30	-	-	1				
3B1730 Molecular Structure	5	A	36	22	-	20		2	3		
3B1740 Chemical Dynamics	4	A	20	20	-	15			3		
3B1750 Organic Chemistry 1	5	A	20	14	-	42		2			
3B1760 Organic Chemistry 2	5	A	16	10	-	42				4	6 h Computer 6 h Computer

3B1770 Chemical Measuring Techniques	5	A	22	4	-	12	1				
3B1782 Inorganic Chemistry	4	C	24	4	-	20	1				40 h Projektuppgift40 h Projektuppgift
3C1347 Environmental Technology and Environmental Impact Studies, Larger Course	8	D	40	17	-	-			3	4	Projekt work 16 h, Tutorials/Lab. 16h
3C1422 Industrial Energy Processes	5	D	20	20	-	-	1	2			
3C1451 Introduction to Chemical Engineering	7	A	39	26	-	-		2	3		Plant Trip 1 day
3C1524 Chemical Engineering	6	D	16	18	-	12				4	
3C1616 Reaction and Separation Engineering	7	C	28	30	-	12	1	2			8 h Seminars, 10 h Computer, 8 h Study visit8 h Seminars, 10 h Computer, 8 h Study visit
3C1621 Process Chemistry	5	D	36	72	-	-			3		10 h Seminars10 h Seminars
3C1626 Chemical Engineering, Laboratory Course	4	D	2	-	80	-			3		
3C1633 Chemical Reaction Engineering	6	D	16	24	-	34	1	2			
3C1651 Environmental Catalysis	4	D	30	-	-	-			3		6 h Seminars, 6 h Study visit6 h Seminars, 6 h Study visit
3C1654 Computational Project in Chemical Engineering	5	D	-	-	-	-				4	
3C1715 Transport Phenomena and Engineering Thermodynamics	7	C	28	40	-	12		2	3		6 h Seminars, 12 h Computer6 h Seminars, 12 h Computer
3C1723 Transport Phenomena, Advanced Course	5	D	18	12	-	-			3		6 h Seminars, 12 h Computer6 h Seminars, 12 h Computer
3C1781 Chemical Engineering in Fine and Specialty Chemicals	5	D	20	12	42	27	1				8h industry visit
3C1823 Applied Electrochemistry	5	D	32	16	-	15			3		
3C1941 Chemical Engineering, Design Course	10	D	40	120	-	-				4	
3D1058 Wood Chemistry and Wood Biotechnology	4	D	26	-	-	15			3		
3D1059 The Chemistry of Pulping and Bleaching	5	D	26	-	-	-		2			24 h Seminars24 h Seminars
3D1112 Fiber Technology	4	D	26	-	-	15				4	
3D1113 Paper Physics	4	D	20	-	-	20		2			
3D1114 Paper Processes Technology	4	D	20	-	-	20			3		
3D1115 Pulp and Paper Processes	6	D	40	-	-	48	1	2			
3D1164 Pulp Technology	4	D	24	-	-	-				4	24 h Seminars24 h Seminars
3E1120 Mechanical Properties of Materials	5	C	30	15	-	12				4	
3E1200 Polymer Technology with Cellulose Technology	5	C	34	25	-	-				4	
4A1140 Energy Systems and Models I <i>This course is not given the academic year 05/06.</i>	4	D	14	32	-	-	1				9 h SeminarsSeminars 9 H 9 h Seminars
4A1610 Energy Management	4	D	50	-	-	-		2	3		
4A1611 Renewable Energy Technology	4	D	-	-	52	-	1				Study visit 8h
4A1613 Energy and Environment <i>Examinator: Björn Palm, Tel 790 7453</i>	4	D	50	-	-	-			3	4	Study visit 6h
4F1430 Combustion Engines, general course*	4	C	42	6	-	12	1				

4F1431 Combustion Engines, Advanced Course*_	6	D	48	-	-	28	2	3	
5B1301 Mathematics, Advanced Course, Partial Differential Equations	4	C	-	-	42	-		3	
5B1304 Mathematics, Extended Course <i>Not given 06/07.</i>	5	C	-	-	-	-			
5C1212 Computational Fluid Dynamics	5	D	-	-	50	10		3	

*The course has limited participation

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Land Management

Land Management TLAMM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1F1331 Real Estate Valuation*_	5	D	30	30	-	-				4	
1N1312 Economics*_	3	A	16	18	-	-	1	2			2 h Workshop2 h Workshop
1N1313 Real Estate Investment Analysis*_	3	C	30	30	-	-	1	2			
1N1413 Urban Land Management*_	5	C	22	52	-	-	1		3		
1N1414 Comparative Law*_	3	A	50	-	-	-	1				
1N1415 Real Estate Law*_	5	C	31	34	-	-		2			
1N1416 Real Estate Planning and Development, Basic Course*_	5	C	28	33	-	-		2			
1N1417 Land Information Systems*_	6	D	32	56	-	-			3		
1N1418 Real Estate Planning and Development, Continuation Course*_	5	D	34	42	-	-				4	

*The course has limited participation

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Sound and Vibration

Sound and Vibration TLJVM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
4B1136 <u>Flow Acoustics</u>	4	D	-	36	-	8			3		
4B1160 <u>Introduction to Noise Control</u> <i>The course is open only to students of the TLJVM programme</i>	2	C	-	-	12	-	1				
4B1162 <u>Vibro-Acoustics</u>	7	D	-	-	64	8	1	2			
4B1164 <u>Signal Analysis</u>	5	D	-	-	26	22	1	2			
4B1166 <u>Acoustical Measurements</u>	5	D	-	-	16	20	1	2			
4B1168 <u>Energy Methods</u>	4	D	-	-	28	-				4	
Elective Courses											
2F1213 <u>Musical Communication and Music Technology</u>	5	D	28	8	-	12				4	Project assignment 30h
4B1132 <u>Experimental Structure Dynamics</u> <i>Replaces 4B1131.</i>	6	D	-	36	24	12		2	3		18 h Computer18 h Computer
4B1170 <u>Numerical Methods for Acoustics and Vibration</u>	4	D	-	-	24	-			3		
4B1172 <u>Non-linear Acoustics</u>	4	D	-	-	24	-			3		
4B1174 <u>Ultrasonics</u>	4	D	-	-	24	-				4	
4B1176 <u>Vehicle Acoustics and Vibration</u>	4	D	-	-	24	-				4	
4B1425 <u>Ground Vehicle Dynamics, Basic Course*</u>	7	D	33	60	-	-			3	4	
5C1218 <u>Turbulence</u> <i>Replaces 5C1992.</i>	5	D	-	-	36	3			3	4	

*The course has limited participation

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Master's Progr, Architectural Lighting Design

Master's Progr, Architectural Lighting Design TLODM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6H3770 <u>Light and Product*_</u> <i>Under bearbetning</i>	5	D	-	-	-	-	1				
6H3771 <u>Light and Room 1, Outdoor Lighting*_</u> <i>Under bearbetning</i>	5	D	-	-	-	-	1				
6H3772 <u>Light and Room 2, Indoor Lighting*_</u> <i>Under bearbetning</i>	5	D	-	-	-	-		2			
6H3773 <u>Light and Theory*_</u> <i>Under bearbetning</i>	5	D	-	-	-	-		2			
6H3774 <u>Daylight and Design Process*_</u> <i>Under bearbetning</i>	10	D	-	-	-	-			3		
6H3795 <u>Degree Project in Architectural Lighting Design (Master)_</u> <i>Under bearbetning</i>	10	D	-	-	-	-				4	

*The course has limited participation

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Pharmaceutical Engineering

Pharmaceutical Engineering TLÄKM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
3C1784 Pharmaceutical Technology <i>Lectures are given in Stockholm (KTH) and laboratory work in Uppsala (Biomedical centre).</i>	5	D	32	10	-	25			3		
3C1786 Pharmaceutical Bioscience	4	C	28	-	-	4			3		
Conditionally Elective Courses											
3A1115 Biochemistry	4	D	34	-	-	-				4	
3A1506 Drug Development	4	D	36	-	-	-			3		8 h Study visit8 h Study visit
3B1242 Technical Surface Colloid Chemistry	4	C	32	6	-	12			3		
3B1511 Organic Chemistry, Advanced Course 1	9	C	12	6	54	-	1			4	
3C1781 Chemical Engineering in Fine and Specialty Chemicals	5	D	20	12	42	27	1				8h industry visit
Recommended Courses											
2D1396 Bioinformatics	4	D	32	-	-	16			3		
2E1200 Automatic Control, General Course	4	C	24	26	-	12	1				
2E1291 Chemical Process Control	4	C	20	28	-	8			3		
3A1110 Molecular Enzymology	5	D	24	6	-	10		2			4 h Seminars4 h Seminars
3A1111 Enzymatic Synthesis	5	D	20	12	-	20				4	6 h Seminars6 h Seminars
3A1116 Biochemistry, Laboratory Course	4	D	-	-	-	96	1	2			
3A1305 Microbiology, General Course	6	D	36	16	-	54				4	
3A1503 Molecular Biotechnology	5	D	36	-	-	15		2	3		
3A1504 Structure Biology	4	D	30	-	-	22				4	6 h Seminars6 h Seminars
3B1102 Analytical Chemistry	4	C	16	-	-	16			3		
3B1121 Organic and Biochemical Analytical Separations	5	D	28	20	-	36				4	
3B1211 Quantum Chemistry and Spectroscopy	6	D	48	-	-	8	1				
3B1242 Technical Surface Colloid Chemistry	4	C	32	6	-	12			3		
3B1301 Nuclear Chemistry	5	C	30	-	-	20		2			
3B1321 Radical Chemistry	5	C	30	-	-	-			3		

3B1482 Structural Chemistry	5	D	16	6	-	16	1				
3B1511 Organic Chemistry, Advanced Course 1	9	C	12	6	54	-	1			4	
3B1521 Organic Chemistry, Theory, Advanced Course 1	5	C	12	6	-	-				4	
3B1531 Organic Chemistry, Advanced Course	4	D	-	-	-	54	1				
3B1545 Selective Organic Synthesis	4	D	28	-	-	-			3		
3B1650 Molecular Simulations Using a Computer	5	D	14	10	-	40			3		
3B1700 Introductory Chemistry	4	A	24	18	-	22	1				
3B1711 Chemical Equilibria	4	A	12	22	-	25			3	4	
3B1725 Chemical Thermodynamics	4	A	28	30	-	-	1				
3B1730 Molecular Structure	5	A	36	22	-	20		2	3		
3B1740 Chemical Dynamics	4	A	20	20	-	15			3		
3B1750 Organic Chemistry 1	5	A	20	14	-	42		2			
3B1760 Organic Chemistry 2	5	A	16	10	-	42				4	6 h Computer 6 h Computer
3B1770 Chemical Measuring Techniques	5	A	22	4	-	12	1				
3B1782 Inorganic Chemistry	4	C	24	4	-	20	1				40 h Projektuppgift 40 h Projektuppgift
3C1451 Introduction to Chemical Engineering	7	A	39	26	-	-		2	3		Plant Trip 1 day
3C1616 Reaction and Separation Engineering	7	C	28	30	-	12	1	2			8 h Seminars, 10 h Computer, 8 h Study visit 8 h Seminars, 10 h Computer, 8 h Study visit
3C1626 Chemical Engineering, Laboratory Course	4	D	2	-	80	-			3		
3C1633 Chemical Reaction Engineering	6	D	16	24	-	34	1	2			
3C1715 Transport Phenomena and Engineering Thermodynamics	7	C	28	40	-	12		2	3		6 h Seminars, 12 h Computer 6 h Seminars, 12 h Computer
3C1723 Transport Phenomena, Advanced Course	5	D	18	12	-	-			3		6 h Seminars, 12 h Computer 6 h Seminars, 12 h Computer
3C1823 Applied Electrochemistry	5	D	32	16	-	15			3		
3C1941 Chemical Engineering, Design Course	10	D	40	120	-	-				4	
3E1120 Mechanical Properties of Materials	5	C	30	15	-	12				4	
3E1141 Polymer Chemistry	5	D	18	18	-	45	1				
3E1200 Polymer Technology with Cellulose Technology	5	C	34	25	-	-				4	
4K1105 Manufacturing Systems and Automation	4	C	14	24	-	12		2			
7E1101 Medical Engineering, Basic Course	4	C	24	-	-	-	1				
7E1110 Quality and Regulatory Aspects on Medical Devices	2	D	20	-	-	-			3	4	

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Land Law and Property Development

Land Law and Property Development TMFJM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1F1427 <u>Compulsory Purchase and Compensation</u>	5	D	32	32	-	-		2			
1F1430 <u>Land Development</u>	10	D	-	-	142	-	1	2			
1F1452 <u>Law of Real Estate Formation</u>	5	D	30	30	-	-	1				
1N1401 <u>Applied Contract Law</u>	5	A	20	35	-	-			3		Web-based study-support
1N1406 <u>Law of Planning, Construction and Infrastructure</u>	10	D	50	70	-	-			3	4	
1N1407 <u>Land Management II</u>	5	D	-	-	-	-				4	20h Lectures/Seminars, Essay-writing

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Material Chemistry

Material Chemistry TMATM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
3E1120 Mechanical Properties of Materials	5	C	30	15	-	12				4	
Conditionally Elective Courses											
3B1456 Inorganic Materials Chemistry	5	D	20	6	-	15				4	
3D1058 Wood Chemistry and Wood Biotechnology	4	D	26	-	-	15			3		
3D1112 Fiber Technology	4	D	26	-	-	15				4	
3E1141 Polymer Chemistry	5	D	18	18	-	45	1				
3E1142 Polymer Physics	5	D	18	18	-	45			3		
Recommended Courses											
2B1263 Surface Physics, Basic Course	4	D	36	-	-	-		2			
2B1711 Solid State Physics	4	D	30	18	-	12			3	4	
2B1760 Experimental Methods in Material Physics	5	C	26	22	-	30		2	3		
3A1108 Biotechnology	4	B	36	-	-	-		2			
3B1102 Analytical Chemistry	4	C	16	-	-	16			3		
3B1242 Technical Surface Colloid Chemistry	4	C	32	6	-	12			3		
3B1456 Inorganic Materials Chemistry	5	D	20	6	-	15				4	
3B1482 Structural Chemistry	5	D	16	6	-	16	1				
3B1483 Nano-structured Materials	5	D	16	6	-	16		2			
3B1511 Organic Chemistry, Advanced Course 1	9	C	12	6	54	-	1			4	
3B1711 Chemical Equilibria	4	A	12	22	-	25			3	4	
3B1725 Chemical Thermodynamics	4	A	28	30	-	-	1				
3B1730 Molecular Structure	5	A	36	22	-	20		2	3		
3B1740 Chemical Dynamics	4	A	20	20	-	15			3		
3B1750 Organic Chemistry 1	5	A	20	14	-	42		2			
3B1760 Organic Chemistry 2	5	A	16	10	-	42				4	6 h Computer6 h Computer
3B1770 Chemical Measuring Techniques	5	A	22	4	-	12	1				
3B1782 Inorganic Chemistry	4	C	24	4	-	20	1				40 h Projektuppgift40 h Projektuppgift

3C1616 Reaction and Separation Engineering	7	C	28	30	-	12	1	2		8 h Seminars, 10 h Computer, 8 h Study visit 8 h Seminars, 10 h Computer, 8 h Study visit
3C1715 Transport Phenomena and Engineering Thermodynamics	7	C	28	40	-	12		2	3	6 h Seminars, 12 h Computer 6 h Seminars, 12 h Computer
3D1058 Wood Chemistry and Wood Biotechnology	4	D	26	-	-	15			3	
3D1059 The Chemistry of Pulping and Bleaching	5	D	26	-	-	-		2		24 h Seminars 24 h Seminars
3D1112 Fiber Technology	4	D	26	-	-	15			4	
3D1114 Paper Processes Technology	4	D	20	-	-	20			3	
3D1115 Pulp and Paper Processes	6	D	40	-	-	48	1	2		
3D1117 Paper Technology, project	4	D	-	-	-	-			3	4 Project work
3D1118 Paper Chemistry	4	D	26	15	-	-			3	
3D1164 Pulp Technology	4	D	24	-	-	-			4	24 h Seminars 24 h Seminars
3E1120 Mechanical Properties of Materials	5	C	30	15	-	12			4	
3E1141 Polymer Chemistry	5	D	18	18	-	45	1			
3E1142 Polymer Physics	5	D	18	18	-	45			3	
3E1143 Surface Coatings Chemistry	5	D	30	-	-	28			4	
3E1144 Mechanical Properties and Testing of Polymers	5	D	30	12	-	12			3	
3E1145 Polymer Process Engineering I	5	D	30	10	-	28			4	
3E1146 Biopolymers	5	D	20	6	-	25			3	
3E1147 Polymeric Materials: Structure and Properties	5	D	18	18	-	45		2		
4H1609 Functional Materials	4	D	18	-	-	6			3	Study visit 8h
4H1610 Advanced Materials	4	C	18	-	-	6			3	Study visit 8h Seminars 18h
4H1703 Materials Chemistry	4	D	20	4	-	8			4	
4H1806 Materials Physics	4	B	40	20	-	15			4	

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Materials Processing

Materials Processing TMPEM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
4M1334 Casting Processing <i>Under bearbetning</i>	4	D	12	24	-	18			3		
4M1336 Physics for Materials Processing <i>Under bearbetning</i>	5	C	16	16	-	-			3		Home assignments 60h
4M1338 Materials Forming <i>Under bearbetning</i>	4	D	20	20	-	-				4	Home assignments 40 h Computer assignments 40 h
4M5303 Fluid Mechanics and Heat Transfer <i>Under bearbetning</i>	4	D	20	16	-	-				4	Home assignment 60 h

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Materials Processing

Materials Processing TMPEM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
4M1051 Project Assignment <i>Under bearbetning</i>	4	D	-	160	-	-	1				
4M1343 Materials Processing, Project Support <i>Under bearbetning</i>	4	D	72	48	-	40	1	2			
4M1346 Simulation and Modelling <i>Under bearbetning</i>	4	D	10	80	-	-	1	2			
4M1347 Metal Forming <i>Under bearbetning</i>	4	D	8	28	-	-	1				
4M1370 Solidification Processing <i>Under bearbetning</i>	4	D	36	24	-	-	1	2			

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Master's Progr, Medical Engineering

Master's Progr, Medical Engineering TMEDM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1N1126 Ethics and Technology in Institutional and non-Institutional Care	5	C	32	-	-	-	2				
Conditionally Elective Courses											
6L2868 Intensive Care and Surgical Devices	5	C	-	-	-	-	1				
6L2869 Medical Measurement and Monitoring	5	C	-	-	-	-	1				
6L2871 Medical imaging systems <i>Under bearbetning</i>	10	D	-	-	-	-	1				
6L2872 Digital image analysis <i>Under bearbetning</i>	5	D	-	-	-	-	2				
6L2873 Implants and Biomaterials <i>Under bearbetning</i>	5	D	-	-	-	-	2				

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Molecylar Design

Molecylar Design TMOLM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
3A1115 Biochemistry	4	D	34	-	-	-				4	
3B1102 Analytical Chemistry	4	C	16	-	-	16			3		
3B1211 Quantum Chemistry and Spectroscopy	6	D	48	-	-	8	1				
3B1223 Molecular Thermodynamics	4	D	24	4	-	-			3		
3B1242 Technical Surface Colloid Chemistry	4	C	32	6	-	12			3		
3B1521 Organic Chemistry, Theory, Advanced Course 1	5	C	12	6	-	-				4	
Recommended Courses											
3A1110 Molecular Enzymology	5	D	24	6	-	10		2			4 h Seminars4 h Seminars
3A1111 Enzymatic Synthesis	5	D	20	12	-	20				4	6 h Seminars6 h Seminars
3A1115 Biochemistry	4	D	34	-	-	-				4	
3B1102 Analytical Chemistry	4	C	16	-	-	16			3		
3B1211 Quantum Chemistry and Spectroscopy	6	D	48	-	-	8	1				
3B1223 Molecular Thermodynamics	4	D	24	4	-	-			3		
3B1231 NMR-spectroscopy	4	D	30	-	-	12		2			
3B1242 Technical Surface Colloid Chemistry	4	C	32	6	-	12			3		
3B1301 Nuclear Chemistry	5	C	30	-	-	20		2			
3B1312 Nuclear Fuel Cycle	4	D	16	-	-	6			3		Project
3B1321 Radical Chemistry	5	C	30	-	-	-			3		
3B1443 Atmosphere, Aquatic and Terrestrial Chemistry	5	C	12	10	-	24				4	
3B1451 Bio-inorganic Chemistry	5	D	20	6	-	15				4	
3B1456 Inorganic Materials Chemistry	5	D	20	6	-	15				4	
3B1482 Structural Chemistry	5	D	16	6	-	16	1				
3B1483 Nano-strucured Materials	5	D	16	6	-	16		2			
3B1511 Organic Chemistry, Advanced Course 1	9	C	12	6	54	-	1			4	
3B1521 Organic Chemistry, Theory, Advanced Course 1	5	C	12	6	-	-				4	

3B1544 Applied Organic Molecular Spectroscopy	4	D	-	-	-	-	1				
3B1545 Selective Organic Synthesis	4	D	28	-	-	-			3		
3B1700 Introductory Chemistry	4	A	24	18	-	22	1				
3B1711 Chemical Equilibria	4	A	12	22	-	25			3	4	
3B1725 Chemical Thermodynamics	4	A	28	30	-	-	1				
3B1730 Molecular Structure	5	A	36	22	-	20		2	3		
3B1740 Chemical Dynamics	4	A	20	20	-	15			3		
3B1750 Organic Chemistry 1	5	A	20	14	-	42		2			
3B1760 Organic Chemistry 2	5	A	16	10	-	42				4	6 h Computer6 h Computer
3B1770 Chemical Measuring Techniques	5	A	22	4	-	12	1				
3B1782 Inorganic Chemistry	4	C	24	4	-	20	1				40 h Projektuppgift40 h Projektuppgift
3C1784 Pharmaceutical Technology <i>Lectures are given in Stockholm (KTH) and laboratory work in Uppsala (Biomedical centre).</i>	5	D	32	10	-	25			3		
3D1058 Wood Chemistry and Wood Biotechnology	4	D	26	-	-	15			3		
3E1141 Polymer Chemistry	5	D	18	18	-	45	1				
3E1142 Polymer Physics	5	D	18	18	-	45			3		
3E1200 Polymer Technology with Cellulose Technology	5	C	34	25	-	-				4	
5A1490 Laser Chemistry <i>Under bearbetning</i>	4	D	24	-	-	12		2			
5A1491 Femtochemistry <i>Under bearbetning</i>	5	D	36	-	-	-			3		

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Human-Computer Interaction

Human-Computer Interaction TMDIM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2D1620 <u>Human-Computer Interaction, Introductory Course</u>	4	C	20	10	-	2	1				
2D1622 <u>Human-Computer Interaction, Advanced Course</u>	4	C	18	5	-	8		2			
2D1631 <u>Software Support for Prototyping</u>	4	C	11	6	-	16	1	2			
2D1655 <u>Cooperative IT-design</u> <i>Replaces 2D1410.</i>	6	D	26	8	-	22			3	4	
Elective Courses											
2D1305 <u>Computer Science Methods</u>	4	D	28	6	-	30	1	2			
2D1400 <u>Interactive Media for Computer Scientists</u>	5	D	-	-	-	-	1	2	3	4	
2D1408 <u>Evaluation Methods in Human-Computer Interaction</u> <i>Given if there are at least 15 participants.</i>	4	D	10	10	-	-			3		
2D1413 <u>Advanced Graphics and Interaction</u>	6	D	46	-	-	12	1	2			
2D1416 <u>Computer Support for Cooperative Work</u> <i>Given if there are at least 15 participants.</i>	6	D	24	12	-	2			3	4	
2D1418 <u>Language Engineering</u>	4	D	40	-	-	12	1				
2D1600 <u>Communication in Engineering Sciences</u>	5	A	8	30	-	10	1	2			
2D1625 <u>IT-design for the Disabled</u> <i>Given if there are at least 15 participants.</i>	4	A	18	-	-	8				4	Seminars 8 h
2D1630 <u>Methods in Behavioural Science</u>	4	C	16	4	-	-	1				
2D1640 <u>Graphics and Interaction Programming</u>	6	C	36	14	-	42			3	4	
2D1650 <u>Computer Game Design*</u> <i>Limited number of participants.</i>	4	D	24	6	-	4		2			
2D1651 <u>Computer Game Design and Advanced Graphics*</u> <i>Limited number of participants.</i>	6	D	48	12	-	18	1	2			
2I1130 <u>Cognitive Psychology</u>	4	A	30	12	-	-	1				
4D1208 <u>History of Technology and Science</u>	5	B	18	-	-	-			3		4h Seminars

*The course has limited participation

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Human-Computer Interaction

Human-Computer Interaction TMDIM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
2D1042 Degree Proj in Human-Computer Interact.(Master of Science)	20	D	-	-	-	-						

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Master's Progr, Nanoelectronics

Master's Progr, Nanoelectronics TNELM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2B1211 Physics of Electronic Materials	5	C	40	24	-	8	1				
2B1234 Nanoelectronics	6	D	30	10	-	8			3	4	
2B1263 Surface Physics, Basic Course	4	D	36	-	-	-		2			
Conditionally Elective Courses											
2B1242 Design and Characterisation of Nano- and Microdevices	5	D	24	-	-	16			3		
2B1245 Advanced VLSI-Devices	5	D	20	-	-	32				4	
2B1248 Simulation of Semiconductor Devices	5	D	24	-	-	32		2			
2B1260 Semiconductor Theory and Device Physics, General Course	5	D	30	-	-	10		2			Individual assignments 20h
2B1261 Semiconductor Theory and Device Physics, Advanced Course <i>The course is not given 2006/07</i>	4	D	-	36	-	-			3		
2B1700 Advanced Semiconductor Materials	5	D	34	-	-	16			3		
2B1715 Molecular Electronics	5	D	30	8	-	-				4	
2B1750 Smart Electronic Materials	4	C	18	10	-	8	1				
4H1711 Nanomaterials and Nanotechnology	4	D	20	-	12	-	1				
5A1378 Mesoscopic Physics <i>Under bearbetning</i>	4	D	36	-	-	8		2			
5A1379 Spin Electronics	4	D	24	-	-	4				4	
Elective Courses											
2B1140 Frontiers of Microelectronics and Information Technology <i>Offered twice a year, either fall or spring.</i>	4	D	20	-	-	-			3	4	

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Nanomaterials and nanotechnology

Nanomaterials and nanotechnology TNNTM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
4H1711 Nanomaterials and Nanotechnology	4	D	20	-	12	-	1				
4H1712 Bio - Nanotechnology <i>Under bearbetning</i>	4	D	20	8	-	8	1				
4H1713 Experimental Techniques - Surface	4	D	36	-	-	8		2			
4H1714 Experimental Techniques - Bulk	4	D	20	-	-	20		2	3		
4H1715 Nanostructured Materials: Bio and Self Assembly	4	D	20	-	12	-		2	3		
4H1716 Nanosemiconductors	4	D	26	-	-	8			3		
4H1717 Nano- and Microsystems	4	D	28	-	-	20				4	
Elective Courses											
4H1721 Microstructural Evolution	4	D	24	-	24	-	1				
4H1722 Solid State Physics	4	D	40	-	12	8	1				
4H1723 Materials Thermodynamics	4	D	20	-	-	-	1	2			
4H1724 Nanoscience and Biotechnology	4	D	36	-	-	10		2	3		
4H1725 Simulation and Modelling on the Atomic Scale	4	D	20	-	20	-			3		
4H1728 Advanced Materials Chemistry	4	D	20	-	4	8			3	4	
4H1729 Nano - Biotechnology	4	D	24	8	-	8			3	4	
5A1378 Mesoscopic Physics <i>Under bearbetning</i>	4	D	36	-	-	8		2			
5A1379 Spin Electronics	4	D	24	-	-	4				4	

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Software Engineering of Distributed Systems

Software Engineering of Distributed Systems TPVDM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2G1509 Distributed Systems, Basic Course	5	D	24	-	-	-	1				Project work 12 hours
2G1522 Modern Methods in Software Engineering	5	D	20	10	-	-	1				
2G1524 Distributed Artificial Intelligence and Intelligent Agents <i>The course is not elective if the student has already taken 2I1235</i>	5	D	24	10	-	-		2			
2G1529 Network Programming with Java <i>The course replaces 2G1118 The course is given in Kista in period 2</i>	5	D	22	10	-	10		2			
Conditionally Elective Courses											
2G1512 Computer Science II	6	C	30	30	-	12	1	2			+ individual work approximately 150h
2G1513 Distributed Systems, Advanced Course	5	D	24	-	-	-			3		
2G1515 Constraint Programming	5	D	24	-	-	-				4	Project work 10 hours
2G1523 Programming Web-Services	5	D	20	10	-	-			3		
2G1526 Distributed Computing, Peer-to-Peer and GRIDS	5	D	-	-	12	-				4	Assignment presentations 1 h per group
2G1528 Individual Studies in Software Engineering <i>This course is proposed in software Engineering of Distributed Systems Master program.</i>	5	D	-	-	-	-				4	
2G1530 Logic Programming <i>replaces 2G1121</i>	5	D	16	12	-	-	1				Individual work on project and group presentation 4h
2G1531 System Modelling and Simulation <i>This course is replaces 2G1503</i>	5	C	20	10	-	-	1				12 h ProjektuppgiftProjectwork 12 h 12 h Projektuppgift
2G1915 Concurrent Programming	5	C	36	-	-	24			3		

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Software Engineering of Distributed Systems

Software Engineering of Distributed Systems TPVDM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Elective Courses												
2G1535 Research Methods in Computer Systems Engineering	5	D	8	-	-	-			3			

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Project Management and Operational Development

Project Management and Operational Development TPLVM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6S3726 <u>Project Planning</u>	5	A	-	-	-	-	1				
6S3727 <u>Project Control</u>	5	A	-	-	-	-		2			
6S3728 <u>Project Analysis</u>	5	A	-	-	-	-			3		
6S3729 <u>Leadership for Operational Development</u>	5	C	-	-	-	-			3		
6S3730 <u>Practical Statistics</u>	5	C	-	-	-	-	1				
6S3731 <u>The Organisation and the Management System</u>	5	C	-	-	-	-		2			
6S3798 <u>Degree Project in Project Management and Operational Development</u> <i>Under bearbetning</i>	10	C	-	-	-	-				4	

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Quantum Physics

Quantum Physics TQPHM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
5A1384 Relativity Theory <i>Replaces 5A1326.</i>	5	C	30	30	-	-			3		
5A1385 Advanced Quantum Mechanics <i>Replaces 5A1329.</i>	5	D	36	30	-	-	1	2			
5A1390 Statistical Mechanics <i>Replaces 5A1350.</i>	5	D	30	30	-	-				4	
Elective Courses											
5A1311 Theoretical Nuclear Physics <i>Under bearbetning</i>	4	D	30	-	-	-			3	4	
5A1312 Astroparticle Physics <i>Under bearbetning</i>	4	D	28	-	-	-			3		8 h Seminars 8 h Seminars
5A1370 Solid State Theory	4	D	36	-	-	-	1				
5A1378 Mesoscopic Physics <i>Under bearbetning</i>	4	D	36	-	-	8		2			
5A1379 Spin Electronics	4	D	24	-	-	4				4	
5A1382 Seminar Course in Theoretical Physics <i>Replaces 5A1381.</i>	5	D	10	16	-	-	1	2			
5A1383 Analytical Mechanics and Classical Field Theory	5	C	30	30	-	-			3	4	
5A1386 Relativistic Quantum Physics <i>Replaces parts of 5A1332.</i>	5	D	30	-	-	-		2	3		
5A1387 Theoretical Particle Physics <i>Replaces 5A1310.</i>	5	D	36	-	-	-			3	4	
5A1388 Quantum Field Theory <i>Replaces 5A1333. Given every second year. Not given 06/07.</i>	5	D	36	-	-	-					
5A1389 Mathematical Foundations of Quantum Mechanics <i>Replaces parts of 5A1332 and 5A1335. Given every second year. Given 06/07.</i>	5	D	36	-	-	-			3	4	
5A1393 Computational Physics <i>Replaces 5A1354.</i>	5	D	30	-	-	20	1				
5A1405 Experimental Particle Physics <i>Under bearbetning</i>	4	D	26	-	-	4		2			8 h Seminars 8 h Seminars
5A1411 Nuclear Physics <i>Replaces 5A1410. Under bearbetning</i>	5	D	24	-	-	25	1	2			
5A1414 Radiation Detectors and Medical Imaging Systems	5	D	24	-	-	15			3	4	6 h Seminars, 20 h Study visit 6 h Seminars, 20 h Study visit

5A1416 Radiation Sources for Therapy	2	D	10	-	-	-			4	14 h Study visit14 h Study visit
5A1420 Experimental Techniques for Nuclear and Particle Physics <i>Given if there are enough interest. Please contact course administrator.</i> <i>Under bearbetning</i>	4	D	24	-	-	10		2		
5A1456 Atomic and Molecular Physics <i>Under bearbetning</i>	4	D	24	-	-	-		1		
5A1457 Atomic and Molecular Physics. Extended Course <i>The course can only be followed as an extension of 5A1456 Atomic-and Molecular Physics.</i> <i>Under bearbetning</i>	2	D	4	-	-	20		2		
5A1490 Laser Chemistry <i>Under bearbetning</i>	4	D	24	-	-	12		2		
5A1491 Femtochemistry <i>Under bearbetning</i>	5	D	36	-	-	-			3	
5A1495 Molecular Physics <i>Under bearbetning</i>	5	D	34	10	-	-			3	
5A1502 Quantum Electronics with Electro Optics <i>Under bearbetning</i>	8	D	48	-	-	-		2		
5A1503 Electro Optics <i>Under bearbetning</i>	4	D	24	-	-	-		2		

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Real Estate Management

Real Estate Management TREMM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1F1333 Real Estate Market Analysis and Development	5	D	30	30	-	-			3		
1H1157 Urban and Regional Economics	5	D	-	-	66	-		2			
1N1303 Business Cycles in Construction and Real Estate Market	5	C	30	30	-	-	1				
1N1307 Investment Analysis <i>Under bearbetning</i>	5	C	30	30	-	-	1				
1N1315 Financial Economics	5	D	30	30	-	-		2			
1N1316 Contract Theory	5	D	30	30	-	-			3		
Recommended Courses											
1N1320 Introductory Economics and Quantitative Methods <i>Will be given during the introductory weeks</i>	1	C	-	-	-	-					
Elective Courses											
1F1331 Real Estate Valuation*	5	D	30	30	-	-				4	
1N1317 Facility Management	5	D	30	30	-	-				4	Web-based study-support
1N1318 Portfolio Management and Real Estate Finance	5	D	30	30	-	-				4	

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Master's Progr, Scientific Computing

Master's Progr, Scientific Computing TSCCM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2D1251 Applied Numerical Methods III	6	C	36	4	-	24	1	2			
2D1255 Numerical Solutions of Differential Equations	5	D	30	-	-	8			3	4	
2D1260 The Finite Element Method	4	C	18	14	-	10	1				
2D1264 Parallel Computations for Large-Scale Problems, part 1 <i>Replaces 2D1263.</i>	4	C	24	-	-	12			3	4	
2D1265 Parallel Computations for Large-Scale Problems, part 2 <i>Replaces 2D1285.</i>	2	C	4	-	-	8				4	
2D1266 Mathematical Models, Analysis and Simulation Part 1	5	C	48	-	-	12	1	2			
2D1321 Applied Programming and Computer Science	6	B	38	20	-	32		2	3		
Elective Courses											
2D1257 Visualization	4	C	16	-	-	14			3		
2D1269 Mathematical Models, Analysis and Simulation, part 2 <i>Not given 06/07.</i>	5	D	42	-	-	12					
2D1290 Advanced Numerical Analysis <i>The course will not be on the central schedule.</i> <i>Not given 06/07.</i>	4	D	16	-	-	4					
4H1725 Simulation and Modelling on the Atomic Scale	4	D	20	-	20	-			3		
5C1212 Computational Fluid Dynamics	5	D	-	-	50	10			3		
5C1213 Applied Computational Fluid Dynamics	2	D	-	-	16	14				4	

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Scientific Computing

Scientific Computing TSCOM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
2D1040 Degree Project in Scientific Computing (Master of Science)	20	D	-	-	-	-						
2D1258 Introduction to High Performance Computing* <i>Please note that the course starts in August. Will not be on the central schedule.</i>	5	C	40	-	-	40	1					

*The course has limited participation

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Spatial Planning

Spatial Planning TSPLM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1H1157 Urban and Regional Economics	5	D	-	-	66	-	2				
1H1172 Futures Studies and Forecasts	5	D	40	10	-	-	2				
1H1174 Planning for Regional Development <i>Under bearbetning</i>	10	D	27	26	-	-				4	200h Project
1N1506 Urbanism Worldwide	5	C	56	-	-	-	1				Seminars 24h
1N1507 Planning the Sustainable City	5	D	18	-	-	-	1				28h Project, 8h Excursion, 8h Seminars
1N1509 Planning Theory, Advanced Course <i>New course that replaces 1H1171 Urban Governance</i>	5	D	40	-	-	-			3		10h Seminars
1N1663 Spatial Planning with GIS	5	D	30	-	-	36			3		
Recommended Courses											
1N1320 Introductory Economics and Quantitative Methods <i>Will be given during the introductory weeks</i>	1	C	-	-	-	-					
Elective Courses											
1H1004 Master's Project in Regional Planning <i>Under bearbetning</i>	20	D	-	-	-	-					

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Sustainable Energy Engineering

Sustainable Energy Engineering TSEEM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
4A1602 <u>Introduction to Energy Technology</u> <i>Under bearbetning</i>	2	C	24	24	-	-	1				Study visits 4h
4A1605 <u>Sustainable Power Generation</u>	6	D	50	30	-	12	1	2			
4A1607 <u>Sustainable Energy Utilisation</u>	6	D	-	-	72	16	1	2			
4A1609 <u>Applied Energy Technology - Project Course</u>	6	D	12	-	-	-			3	4	Project 78h
4A1610 <u>Energy Management</u>	4	D	50	-	-	-		2	3		
4A1611 <u>Renewable Energy Technology</u>	4	D	-	-	52	-	1				Study visit 8h
4A1613 <u>Energy and Environment</u> <i>Examinator: Björn Palm, Tel 790 7453</i>	4	D	50	-	-	-			3	4	Study visit 6h
Conditionally Elective Courses											
4A1612 <u>Renewable Energy Technology, Advanced Course</u> <i>4A1612 is to be studied together with 4A1626.</i>	4	D	26	-	-	-			3		Study visit 4 h
4A1622 <u>Thermal Comfort and Indoor Climate</u> <i>Mandatory for Energy Utilisation 4A1622 is to be studied together with 4A1623.</i>	4	D	54	-	-	-			3	4	Study visits 6h
4A1623 <u>Applied Refrigeration and Heat Pump Technology</u> <i>Mandatory for Energy Utilisation. 4A1623 is to be studied together with 4A1622.</i>	4	D	24	24	-	16			3	4	
4A1626 <u>Applied Heat and Power Technology</u> <i>Mandatory for Power Generation. 4A1626 is to be studied together with either 4A1612 or 4A1627.</i>	4	D	36	12	-	8			3	4	Project assignment 8h
4A1627 <u>Applied Reactor Technology and Nuclear Power Safety</u> <i>Mandatory for Power Generation. 4A1627 is to be studied together with 4A1626.</i>	4	D	48	-	-	-			3	4	Study visits 12h

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System-on-Chip Design

System-on-Chip Design TSOCM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2B1423 <u>ASIC-design Methodology with High-level Languages</u>	5	D	-	10	-	20		2			
2B1446 <u>Embedded Systems</u> <i>The course replaces 2B1445 The course is given in Kista</i>	5	C	24	6	-	16	1				
2B1448 <u>System-On-Chip Architectures</u> <i>The course replaces 2B1447 The course is given in Kista</i>	5	D	24	6	-	12		2			
2B1513 <u>Digital Design with HDL</u>	5	D	26	10	-	28	1				
6B3810 <u>System Level Validation</u> <i>Under bearbetning</i>	5	D	24	-	-	36				4	
Conditionally Elective Courses											
2B1428 <u>Design of Digital Integrated Circuits - VLSI</u>	5	D	21	8	-	16			3	4	
2B1429 <u>System Modelling</u>	5	D	24	-	-	-			3		Exercises 12
2B1435 <u>DSP-Construction with HDL</u>	5	D	24	12	-	24			3		
2B1450 <u>Electronic System Packaging</u>	5	D	20	-	-	16			3		
2B1454 <u>Design of Fault-tolerant Systems</u> <i>Under bearbetning</i>	5	D	-	-	-	-				4	
2B1456 <u>Advanced Logic Design</u> <i>This course is not given 2006/2007. This course is not given 2006/2007.</i>	5	D	24	6	-	-			3		
2B1459 <u>System-on-Chip Applications</u>	5	D	32	16	-	-				4	
2B1463 <u>Embedded Software</u> <i>The course is given in Kista</i>	5	D	20	6	-	12			3		
2B1515 <u>Analog Electronics, Advanced Course</u>	5	C	30	14	-	20		2	3		Project work
2B1600 <u>Radio Electronics</u>	5	D	26	12	-	16				4	
2B1611 <u>Low Power Analog and Mixed Signal IC's</u>	5	D	-	14	42	-				4	
Elective Courses											
2B1436 <u>Applied Signal Processing</u>	5	D	20	8	-	16				4	

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Interactive Systems Engineering

Interactive Systems Engineering TINSM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
211531 Research Methodology and Scientific Communication <i>Students who have taken or who are going to take the course 211614 cannot apply for 211513.</i>	5	D	18	-	-	-			3	4	
Conditionally Elective Courses											
211090 Java Programming <i>Reading course, there are no scheduled lectures.</i>	5	B	-	-	-	-	1				
211714 Human-computer Interaction: Principles and Design <i>The course is a replacement for 211029 in the master's program of Interactive Systems Engineering.</i>	5	B	27	8	80	-	1				
211715 Artificial Intelligence: Principles and Techniques <i>The course is a replacement for 211705 from 06/07. Students who have already taken the course 211705 can therefore not apply for this one.</i>	5	C	-	-	-	-	1				
211716 Methodology of Interaction Design <i>The course is a replacement for 211713 from 06/07. Students who have already taken the course 211713 can therefore not apply for this one.</i>	5	D	22	80	-	-		2			
211717 Programming of Interactive Systems <i>The course is a replacement for 211706 from 06/07. Students who have already taken the course 211706 can therefore not apply for this one.</i>	5	D	26	6	-	50		2			
211718 Cognitive and Social Science: HMI <i>The course is a replacement for 211707 from 06/07. Students who have already taken the course 211707 can therefore not apply for this one.</i>	5	D	20	6	-	-		2			
211719 Microsimulation <i>Teachers are Magnus Boman and Wah-Sui Almberg, with guest lecturer Kalle Mäkilä (preliminary).</i> <i>The course is a replacement for 211708 from 06/07. Students who have already taken the course 211708 can therefore not apply for this one.</i>	5	D	20	-	6	3			3		

<u>211720 Collaborative Computing</u> <i>The course is a replacement for 211709 from 06/07. Students who have already taken the course 211709 can therefore not apply for this one.</i>	5	D	20	-	-	10			3		20 h Seminars20 h Seminars
<u>211721 Ubiquitous Computing</u> <i>The course is a replacement for 211710 from 06/07. Students who have already taken the course 211710 can therefore not apply for this one.</i>	5	D	29	2	2	-			3	4	4 h Seminars4 h Seminars
<u>211722 Affective Interaction</u> <i>The course is a replacement for 211703 from 06/07. Students who have already taken the course 211703 can therefore not apply for this one.</i>	5	D	18	-	-	120			3	4	
<u>211723 Principles of Visualization</u> <i>The course is a replacement for 211711 from 06/07. Students who have already taken the course 211711 can therefore not apply for this one.</i>	5	D	15	-	-	40				4	12 h Seminars, 136 h Projektuppgift12 h Seminars, 136 h Projektuppgift
<u>211724 Advanced Individual Course in Human-Computer Interaction</u>	5	D	-	-	-	-	1	2	3	4	
Elective Courses											
<u>211234 Machine Learning</u>	4	D	36	-	-	-				4	

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Sustainable Technology

Sustainable Technology TTHUM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
3C1336 <u>Introduction Industrial Ecology</u>	4	C	12	8	12	-	1				8 h Seminars, 12 h Projektuppgift8 h Seminars, 12 h Projektuppgift
3C1352 <u>Cleaner Production</u> <i>Compulsory for the Master programme Sustainable Technology</i>	4	C	14	-	-	-			3		9 h Seminars9 h Seminars
3C1356 <u>Ecology, Advanced Course</u>	4	C	21	4	-	-			3	4	Field work 8h
3C1380 <u>Environmental Management</u>	4	C	10	-	-	-			3		12 h Seminars12 h Seminars
3C1383 <u>Risk Management</u>	4	C	16	30	-	-	1				
3C1387 <u>Environmental Systems Analysis</u>	4	C	16	8	-	6		2			
3C1396 <u>Technology and Sustainable Development</u>	4	C	8	9	-	-		2			
3C1398 <u>Sustainable Development in Theory and Practice</u>	4	C	10	6	-	-	1				
Elective Courses											
3C1350 <u>Waste Management, Advanced Course</u>	4	D	18	-	-	-				4	Project work, assignments, Study visit
3C1351 <u>International Intensive Course in Solid Waste Management</u>	4	D	-	-	-	-			3		
3C1381 <u>Environmental Management II, Advanced Course</u>	4	D	8	6	-	-				4	
3C1384 <u>Scenario Methods with Conflict Management</u>	4	C	12	-	-	-				4	8 h Seminars, 32 h Projektuppgift8 h Seminars, 32 h Projektuppgift
3C4370 <u>Environment Modelling: Chemical and Physical Fundamentals</u>	5	C	-	-	-	-			3	4	

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Engineering and Management of Information Systems

Engineering and Management of Information Systems TEMIM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2I1228 Enterprise Computing and ERP Systems	5	D	14	12	-	60	1				80h
2I1531 Research Methodology and Scientific Communication <i>Students who have taken or who are going to take the course 2I1614 cannot apply for 2I1513.</i>	5	D	18	-	-	-			3	4	
6B3403 Project Management for IT Systems	10	D	-	-	-	-	1	2	3	4	
Conditionally Elective Courses											
2C1520 Requirements Engineering	5	D	22	6	-	-		2			
2E1632 Management of Networks and Networked Systems <i>The course replaces 2G1332.</i>	5	D	20	-	-	-				4	Project
2I1053 Internet and ERP Systems	5	C	12	-	-	-	1				Project work 80 h
2I1068 Internet Search and Monitoring Techniques <i>The course replaces 2I1413</i>	5	C	-	-	16	-	1				6 assignments
2I1242 Models and Languages for Object and Web Databases	5	D	21	40	-	75			3		Studying/Practice 60h
2I1259 Value-Based Software Engineering	5	D	28	-	-	-				4	Seminar 14 h
2I1404 Model-driven Development of Components <i>not given 2005/06</i>	5	D	20	35	-	110				4	
2I1406 Mobile Business	5	D	18	12	-	-			3	4	Project work 80 h
2I1410 Current Problems in Information Systems	5	D	-	-	-	-	1	2	3	4	Individual studies
2I1415 Knowledge and Software Reuse <i>The course is a replacement for 2I1040 from 06/07. Students who have already taken the course 2I1040 can therefore not apply for this one.</i>	5	C	18	18	-	40			3	4	
2I1416 Software Evolution and Maintenance <i>The course is a replacement for 2I1041 from 06/07. Students who have already taken the course 2I1041 can therefore not apply for this one.</i>	5	C	24	-	6	-				4	

<u>2I1417 Relational Database Design</u> <i>The course is a replacement for 2I1056 from 06/07. Students who have already taken the course 2I1056 can therefore not apply for this one.</i>	5	C	12	12	9	8		2		
<u>2I1418 Data Warehousing</u> <i>The course is a replacement for 2I1224 from 06/07. Students who have already taken the course 2I1224 can therefore not apply for this one.</i>	5	D	15	-	2	-			3	9 h Seminars 9 h Seminars
<u>2I1419 Knowledge Management</u> <i>The course is a replacement for 2I1229 from 06/07. Students who have already taken the course 2I1229 can therefore not apply for this one.</i>	5	D	24	24	-	-			3	
<u>2I1420 Processes for IT Production</u> <i>The course is a replacement for 2I1403 from 06/07. Students who have already taken the course 2I1403 can therefore not apply for this one.</i>	5	D	21	-	-	-		2		6 h Seminars 6 h Seminars
<u>2I1421 Project and Power Games</u> <i>The course is a replacement for 2I1408 from 06/07. Students who have already taken the course 2I1408 can therefore not apply for this one.</i>	5	D	27	27	-	-			4	
<u>2I1423 Interoperability of Enterprise Systems and Services</u> <i>The course is a replacement for 2I1058 from 06/07. Students who have already taken the course 2I1058 can therefore not apply for this one.</i>	5	D	12	12	40	18		2		
<u>2I2121 Global IT-management</u>	5	D	20	-	-	-		2		10 h Seminars, 10 h Projektuppgift 10 h Seminars, 10 h Projektuppgift
<u>2I2125 Management of IT-enabled Change</u>	5	D	20	-	-	-			3	Seminars 10 h, Team project 10 h
<u>2I2126 Strategic Management of IT</u>	5	D	20	-	-	-			4	Seminars 10h, Team project 10h
<u>6B3401 Marketing Management and Information Technology</u>	5	C	-	-	-	-			3	
<u>6B3402 Economy and Leadership for Project and Functional Management</u>	4	D	-	-	-	-		2		
Elective Courses										
<u>2I1516 Principles of Computer Security</u> <i>The course is a replacement for 2I1273 from Autumn 2006, and it is an extended version of the same.</i>	5	D	24	-	10	12		1		
<u>2I1516 Principles of Computer Security</u> <i>The course is a replacement for 2I1273 from Autumn 2006, and it is an extended version of the same.</i>	5	D	24	-	10	12			3	

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Philosophy of Science and Technology

Philosophy of Technology TFILM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
1H1601 Mathematics and Reality	5	C	20	10	-	-				4	
1H1602 Good and Bad Science	5	C	32	-	-	-			3	4	
1H1603 Technology and Ethics	5	C	18	-	-	-	1				Seminars 8h
1H1603 Technology and Ethics	5	C	18	-	-	-			3		Seminars 8h
1H1604 Philosophy of Risk	5	C	20	-	-	-		2			10h seminars
1N1106 Philosophy of Science	5	D	20	-	-	10	1				Seminars 4h
1N1106 Philosophy of Science	5	D	20	-	-	10			3		Seminars 4h
1N1107 Information Analysis	5	C	14	14	-	-				4	
1N1108 Computer- and Information Ethics	5	C	20	10	-	-			3		
1N1109 Ethics of Biotechnology	5	C	20	-	-	-	1	2			Seminars 10h, individual essay- tutorials
1N1111 The Epistemology of Technology	5	D	20	-	-	-				4	10 h Seminars
1N1113 Aesthetics and Technology	5	C	20	10	-	-		2			
1N1115 Individual Course in Philosophy	5	D	-	-	-	-					Non-scheduled
1N1116 Political Philosophy	5	C	14	-	-	-		2			Seminars 15h
1N1117 Decision Theory	5	C	16	14	-	-	1				
1N1118 Gender, Philosophy and Technology	5	C	20	-	-	-			3		Seminars 10h
1N1119 Management Ethics	5	C	18	-	-	-	1				Seminars 8h
1N1120 Introduction to Research Ethics	2	C	10	-	-	-	1				
1N1121 Advanced Course in Research Ethics	3	D	-	-	-	-		2			Tutorials/Seminars
1N1122 Advanced Course in Ethics	5	C	-	-	-	-				4	Seminars 28h

Philosophy of Technology TFILM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1N1004 Degree Project in Philosophy (Master)	20	D	-	-	-	-					

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Philosophy of Science and Technology

Philosophy of Science TFILM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
1H1602 <u>Good and Bad Science</u>	5	C	32	-	-	-			3	4	
1H1604 <u>Philosophy of Risk</u>	5	C	20	-	-	-		2			10h seminars
1N1106 <u>Philosophy of Science</u>	5	D	20	-	-	10			3		Seminars 4h
1N1106 <u>Philosophy of Science</u>	5	D	20	-	-	10	1				Seminars 4h
1N1109 <u>Ethics of Biotechnology</u>	5	C	20	-	-	-	1	2			Seminars 10h, individual essay- tutorials
1N1120 <u>Introduction to Research Ethics</u>	2	C	10	-	-	-	1				
1N1121 <u>Advanced Course in Research Ethics</u>	3	D	-	-	-	-		2			Tutorials/Seminars
1N1123 <u>Philosophy of the Natural Sciences</u>	5	C	20	-	-	10		2			Seminars 10h
Conditionally Elective Courses											
1H1601 <u>Mathematics and Reality</u>	5	C	20	10	-	-				4	
1N1107 <u>Information Analysis</u>	5	C	14	14	-	-				4	
1N1111 <u>The Epistemology of Technology</u>	5	D	20	-	-	-				4	10 h Seminars
1N1113 <u>Aesthetics and Technology</u>	5	C	20	10	-	-		2			
1N1115 <u>Individual Course in Philosophy</u>	5	D	-	-	-	-					Non-scheduled
1N1116 <u>Political Philosophy</u>	5	C	14	-	-	-		2			Seminars 15h
1N1117 <u>Decision Theory</u>	5	C	16	14	-	-	1				
1N1118 <u>Gender, Philosophy and Technology</u>	5	C	20	-	-	-			3		Seminars 10h
1N1122 <u>Advanced Course in Ethics</u>	5	C	-	-	-	-				4	Seminars 28h

Philosophy of Science TFILM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
1N1004 Degree Project in Philosophy (Master)	20	D	-	-	-	-						

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Master's Progr, Engineering Mechanics

Master's Progr, Engineering Mechanics TTEMM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
4C1025 FEM for Engineering Applications	4	C	36	14	-	4	1				
5C1212 Computational Fluid Dynamics	5	D	-	-	50	10			3		
5C1214 Fluid Mechanics	5	C	-	30	30	3	1				
Elective Courses											
4C1111 Fracture Mechanics and Fatigue	4	D	48	-	-	4			3		
4C1116 Dynamic Problems in Solid Mechanics	4	D	42	-	-	8			3	4	
4C1121 Introduction to Biomechanics	6	C	48	-	-	8			3		
4C1122 Applied Solid Mechanics	6	D	28	16	-	24	1	2			
4C1123 Testing Techniques in Solid Mechanics <i>Under bearbetning</i>	4	C	24	-	-	24				4	
4C1125 Solid Mechanics Modelling for Design	6	D	60	-	-	12				4	
5C1211 Vehicle Aerodynamics	4	C	28	-	-	4				4	8 h Seminars8 h Seminars
5C1213 Applied Computational Fluid Dynamics	2	D	-	-	16	14				4	
5C1215 Compressible Flow	5	D	-	-	52	9		2			
5C1218 Turbulence <i>Replaces 5C1992.</i>	5	D	-	-	36	3			3	4	
5C1219 Advanced Compressible Flows	5	D	-	-	48	-			3	4	
5C1221 Wave Motions and Hydrodynamic Stability	5	D	-	-	42	3		2			
5C1860 FEM Modelling	5	D	33	-	-	-		2			33 h Workshop33 h Workshop

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Applied Information Technology

Applied Information Technology TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2I1601 <u>Research Methodology and Scientific Writing</u>	3	C	20	-	-	-			3		
2I1613 <u>Scientific Communication and Research Methodology</u>	3	B	14	-	-	-		2			
6B2912 <u>Industrial Economics</u>	4	A	16	16	-	8		2			
Conditionally Elective Courses											
2I1282 <u>Software Testing and Metrics</u>	5	D	40	-	120	-			3		
2I1415 <u>Knowledge and Software Reuse</u> <i>The course is a replacement for 2I1040 from 06/07. Students who have already taken the course 2I1040 can therefore not apply for this one.</i>	5	C	18	18	-	40			3	4	
2I1416 <u>Software Evolution and Maintenance</u> <i>The course is a replacement for 2I1041 from 06/07. Students who have already taken the course 2I1041 can therefore not apply for this one.</i>	5	C	24	-	6	-				4	
2I1417 <u>Relational Database Design</u> <i>The course is a replacement for 2I1056 from 06/07. Students who have already taken the course 2I1056 can therefore not apply for this one.</i>	5	C	12	12	9	8		2			
2I1419 <u>Knowledge Management</u> <i>The course is a replacement for 2I1229 from 06/07. Students who have already taken the course 2I1229 can therefore not apply for this one.</i>	5	D	24	24	-	-			3		
2I1421 <u>Project and Power Games</u> <i>The course is a replacement for 2I1408 from 06/07. Students who have already taken the course 2I1408 can therefore not apply for this one.</i>	5	D	27	27	-	-				4	
2I1513 <u>Security for Java Environment and Electronic Commerce</u> <i>The course is a replacement for 2I1276 from 06/07. Students who have already taken the course 2I1276 can therefore not apply for this one.</i>	5	D	24	-	-	16				4	
2I2121 <u>Global IT-management</u>	5	D	20	-	-	-		2			10 h Seminars, 10 h Projektuppgift10 h Seminars, 10 h Projektuppgift
Elective Courses											

2B1120 Introductory Physics	4	A	-	-	-	-	2			
2B1350 Electromagnetism and Waves	4	A	-	-	-	-		3		
2B1456 Advanced Logic Design <i>This course is not given 2006/2007. This course is not given 2006/2007.</i>	5	D	24	6	-	-		3		
2G1534 Computer Systems Architecture	5	C	16	16	-	16	1			Homework 16h
2G1720 Global Entrepreneurial Leadership	5	D	-	-	-	-	2			
2I1234 Machine Learning	4	D	36	-	-	-			4	
2I1281 Agile Software Construction	6	C	40	-	40	120		3	4	
2I1418 Data Warehousing <i>The course is a replacement for 2I1224 from 06/07. Students who have already taken the course 2I1224 can therefore not apply for this one.</i>	5	D	15	-	2	-		3		9 h Seminars9 h Seminars
2I1602 Logic and Discrete Mathematics I	4	B	24	-	12	-			4	
2I1604 Project Management and Group Dynamics	3	B	18	-	-	24	1			Seminars 15 hours
2I1605 Logic and Discrete Mathematics II	3	B	33	9	-	-	1	2		
2I1721 Ubiquitous Computing <i>The course is a replacement for 2I1710 from 06/07. Students who have already taken the course 2I1710 can therefore not apply for this one.</i>	5	D	29	2	2	-		3	4	4 h Seminars4 h Seminars
2I1722 Affective Interaction <i>The course is a replacement for 2I1703 from 06/07. Students who have already taken the course 2I1703 can therefore not apply for this one.</i>	5	D	18	-	-	120		3	4	
5B1118 Discrete Mathematics	5	A	-	-	-	-	2	3	4	
5B1141 Analytical Methods and Linear Algebra II	8	B	60	-	60	-		3	4	
5B1506 Mathematical Statistics, Basic Course	6	A	36	48	-	-	1	2		
6B2016 Discrete Mathematics	5	A	20	20	-	3	1			
6B2026 Object Oriented Design and UML	5	A	30	-	-	40		3		
6B2060 Mathematics for Programmers	5	C	-	-	-	-	1			
6B2120 Calculus <i>Under bearbetning</i>	5	A	30	28	-	-	1			
6B2121 Electrical Principals	5	A	22	20	-	16	1		4	
6B2255 Production Engineering <i>Under bearbetning</i>	5	B	40	-	-	30	1		4	
6B2271 Industrial Economics, Advanced Course I	4	C	8	32	-	8	1			
6B2325 Project Management <i>Under bearbetning</i>	4	A	-	-	-	-	1			

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Applied Information Technology

Applied Information Technology TTITM2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Conditionally Elective Courses												
2G1022 Master's Project in Applied Information Technology	20	D	-	-	-	-	-	1	2	3	4	
2I1021 Master's Project in Applied Information Technology	20	D	-	-	-	-	-	1	2	3	4	
6B3400 Master's Project in Applied Information Technology <i>Under bearbetning</i>	20	D	-	-	-	-	-	1	2	3	4	

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Applied Information Technology

Applied Information Technology TTITM4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
211512 Security Architecture for Open Distributed Systems <i>The course is a replacement for 211272 from 06/07. Students who have already taken the course 211272 can therefore not apply for this one.</i>	5	D	24	-	-	16			3		

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Applied Information Technology

General IT TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
2I1603 Human Computer Interaction	4	B	25	-	-	9	1				Seminas 6 hours
2I1607 Data Bases	4	B	30	-	-	9				4	Project work, Seminars 7 hours
2I1608 Objektoriented System Development	4	B	30	-	6	-				4	Project work 27 hours
2I1609 Web-design	5	B	18	-	-	-				4	Project work 80-100 Hours
6B2025 Algorithms and Data Structures	5	A	30	-	-	40		2			

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Computer Systems TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
2B1446 Embedded Systems <i>The course replaces 2B1445 The course is given in Kista</i>	5	C	24	6	-	16	1				
2B1463 Embedded Software <i>The course is given in Kista</i>	5	D	20	6	-	12			3		
2G1509 Distributed Systems, Basic Course	5	D	24	-	-	-	1				Project work 12 hours
2G1515 Constraint Programming	5	D	24	-	-	-				4	Project work 10 hours
2G1520 Operating Systems <i>Given at Campus Valhallavägen</i>	5	C	28	12	-	-				4	
2G1520 Operating Systems <i>Given in Kista</i>	5	C	28	10	-	-		2			
2G1523 Programming Web-Services	5	D	20	10	-	-			3		
2G1524 Distributed Artificial Intelligence and Intelligent Agents <i>The course is not elective if the student has already taken 2I1235</i>	5	D	24	10	-	-		2			
2G1529 Network Programming with Java <i>The course replaces 2G1118 The course is given in Campus Valhallavägen in period 4</i>	5	D	22	10	-	10				4	
2G1529 Network Programming with Java <i>The course replaces 2G1118 The course is given in Kista in period 2</i>	5	D	22	10	-	10		2			
2G1530 Logic Programming <i>replaces 2G1121</i>	5	D	16	12	-	-	1				Individual work on project and group presentation 4h
2G1915 Concurrent Programming <i>In period 1, the course is given at Campus Valhallavägen.</i>	5	C	36	-	-	24	1				
2G1915 Concurrent Programming	5	C	36	-	-	24			3		
6B2123 Electronic Systems Project <i>Under bearbetning</i>	4	C	-	-	-	-				4	
6B3116 Real Time Systems <i>Under bearbetning</i>	4	C	30	-	-	20			3		
6B3130 Embedded Systems <i>Under bearbetning</i>	4	B	12	14	-	16			3		

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Electronic Systems TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
2B1423 <u>ASIC-design Methodology with High-level Languages</u>	5	D	-	10	-	20		2			
2B1428 <u>Design of Digital Integrated Circuits - VLSI</u>	5	D	21	8	-	16			3	4	
2B1429 <u>System Modelling</u>	5	D	24	-	-	-			3		Exercises 12
2B1430 <u>Design of Digital Integrated Circuits - LSI</u>	5	C	20	8	-	16				4	Project 16h The course is given in Campus. (Valhallavägen)
2B1446 <u>Embedded Systems</u> <i>The course replaces 2B1445 The course is given in Kista</i>	5	C	24	6	-	16	1				
2B1448 <u>System-On-Chip Architectures</u> <i>The course replaces 2B1447 The course is given in Kista</i>	5	D	24	6	-	12		2			
2B1513 <u>Digital Design with HDL</u>	5	D	26	10	-	28	1				
2B1515 <u>Analog Electronics, Advanced Course</u>	5	C	30	14	-	20		2	3		Project work
2B1553 <u>Analog Electronics</u>	5	B	28	20	-	20		2			
2B1600 <u>Radio Electronics</u>	5	D	26	12	-	16				4	
2B1611 <u>Low Power Analog and Mixed Signal IC's</u>	5	D	-	14	42	-				4	
6B2118 <u>Medical Electronic Design</u>	5	A	20	-	-	40			3		
6B2122 <u>Analog Electronics</u> <i>Under bearbetning</i>	5	B	14	20	-	12	1				
6B2123 <u>Electronic Systems Project</u> <i>Under bearbetning</i>	4	C	-	-	-	-				4	
6B3114 <u>VHDL Design</u> <i>Under bearbetning</i>	5	C	16	14	-	24		2			
6B3130 <u>Embedded Systems</u> <i>Under bearbetning</i>	4	B	12	14	-	16			3		
6B3291 <u>Applied Automation Control</u> <i>Under bearbetning</i>	4	B	12	22	-	12		2			

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Industrial IT Engineering TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
6B2249 <u>Industrial IT, basic course</u> <i>Under bearbetning</i>	5	A	20	13	-	20				4	
6B2254 <u>Design and Technology</u> <i>Under bearbetning</i>	11	B	-	-	78	48		2	3	4	
6B2265 <u>Project regarding Industrial IT</u> <i>Under bearbetning</i>	6	C	-	-	-	-			3		
6B2349 <u>Logistics</u> <i>Under bearbetning</i>	4	B	20	-	-	8		2			
6B3280 <u>Computer Aided Design</u> <i>Under bearbetning</i>	4	A	-	-	6	26			3		

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Information Systems TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
211053 Internet and ERP Systems	5	C	12	-	-	-	1				Project work 80 h
211068 Internet Search and Monitoring Techniques <i>The course replaces 211413</i>	5	C	-	-	16	-	1				6 assignments
211228 Enterprise Computing and ERP Systems	5	D	14	12	-	60	1				80h
211242 Models and Languages for Object and Web Databases	5	D	21	40	-	75			3		Studying/Practice 60h
211406 Mobile Business	5	D	18	12	-	-			3	4	Project work 80 h

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Interactive Systems TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
2I1042 <u>Design and Construction of Interactive Systems</u>	5	C	-	-	-	-				4	
2I1095 <u>Cognitive Science</u>	4	C	25	-	-	-			3		Course assignment work 120
2I1130 <u>Cognitive Psychology</u>	4	A	30	12	-	-	1				
2I1140 <u>Artificial Intelligence</u>	6	D	39	10	-	80			3		
2I1235 <u>Agent Programming</u> <i>The course are not electiv if students already had read 2G1524 This course is not given 2006/2007.</i>	4	D	18	-	-	3			3	4	Other 80 hours
2I1263 <u>Internet Application Protocols and Standards</u> <i>The course will not be given during the academic year 2006-2007.</i>	4	A	24	-	-	20			3		120h

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Business IT Engineering TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
6B2313 IT-Business Systems, Project	6	C	22	-	-	-			3		
6B2315 Systems Planning and Security	4	A	24	8	-	-			3		
6B2353 Enterprise Systems, Configuration and Modification	5	C	12	48	-	-				4	
6B2354 Enterprise Application Integration with ERP Systems	5	C	-	-	-	-	1				
6B2355 Financial Control and Reporting	5	C	24	20	-	8		2			
6B2356 Logistics, Fundamentals	5	B	20	-	-	8		2			
6B2357 Logistics, Advanced Course	5	C	20	-	-	-		2			

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Management of Information Technology TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
2I1651 Management with IT I	20	B	-	-	-	-	1	2			
2I1652 Management with IT II	20	B	-	-	-	-			3	4	
2I1661 IT-Management I	20	C	-	-	-	-			3	4	
2I1662 IT-Management II	20	C	-	-	-	-	1	2			

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Communication Systems TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
2B1322 Fiber Optical Communication	5	D	28	14	-	8			3		
2B1600 Radio Electronics	5	D	26	12	-	16				4	
2B1611 Low Power Analog and Mixed Signal IC's	5	D	-	14	42	-				4	
2B1821 Principles of Communications	4	D	24	12	-	-	1				
2E1616 Data Communications and Computer Networks	4	B	-	-	-	-	1				
2E1618 Queuing Theory and Teletraffic Systems <i>The course replaces 2G1318.</i>	4	C	24	24	-	-		2			
2E1624 Performance Analysis of Communication Networks <i>The course replaces 2G1324.</i>	5	D	-	-	24	-			3		30 h Projektuppgift30 h Projektuppgift
2E1632 Management of Networks and Networked Systems <i>The course replaces 2G1332.</i>	5	D	20	-	-	-				4	Project
2E1633 Network Services and Internet-based Applications* <i>The course replaces 2G1333.</i>	5	D	8	-	-	-				4	120 h Projektuppgift120 h Projektuppgift
2G1305 Internetworking <i>Given at Campus Valhallavägen</i>	4	C	20	18	-	10	1				Assignments
2G1319 Communication System Design <i>Also given as 2G1711, 12 credits; 2G1712, 16 credits and 2G1713, 20 credits</i>	10	D	-	-	-	-			3	4	Project work
2G1325 Practical Voice Over IP (VoIP)	5	D	10	-	-	-				4	Assigned paper 50h
2G1330 Wireless and Mobile Network Architectures	5	D	10	-	-	-			3		Assigned paper 50h
2G1720 Global Entrepreneurial Leadership	5	D	-	-	-	-		2			
2G1722 Developing Mobile Applications	5	D	20	-	-	10			3		
2G1723 GSM Network and Services	5	D	20	-	-	10				4	Laboratory 5 sessions
6B2124 Telecommunication <i>Under bearbetning</i>	5	B	22	20	-	16			3		
6B3117 Wireless Systems <i>Under bearbetning</i>	5	C	22	22	-	20		2			

*The course has limited participation

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Mechatronics TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
<u>6B2260 Product Development</u> <i>Under bearbetning</i>	4	B	12	48	44	-	1	2			
<u>6B2264 IT Project regarding Mecatronics</u> <i>Under bearbetning</i>	6	C	-	-	-	-			3		
<u>6B2266 Programming of Embedded Systems</u> <i>Under bearbetning</i>	4	C	-	-	-	-	1				
<u>6B2267 Sensors and Actuators</u> <i>Under bearbetning</i>	4	B	-	-	-	-		2			
<u>6B3291 Applied Automation Control</u> <i>Under bearbetning</i>	4	B	12	22	-	12		2			

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Microelectronics TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
2B1211 <u>Physics of Electronic Materials</u>	5	C	40	24	-	8	1				
2B1221 <u>Methods and Instruments of Analysis</u>	5	D	-	-	28	16		2			
2B1230 <u>Power Semiconductor Devices</u>	5	D	40	-	-	-			3		Project 40h
2B1245 <u>Advanced VLSI-Devices</u>	5	D	20	-	-	32				4	
2B1248 <u>Simulation of Semiconductor Devices</u>	5	D	24	-	-	32		2			
2B1252 <u>Semiconductor Devices</u>	6	C	32	10	-	12				4	
2B1430 <u>Design of Digital Integrated Circuits - LSI</u>	5	C	20	8	-	16				4	Project 16h The course is given in Campus. (Valhallavägen)
2B1515 <u>Analog Electronics, Advanced Course</u>	5	C	30	14	-	20		2	3		Project work
2B1553 <u>Analog Electronics</u>	5	B	28	20	-	20		2			
2B1700 <u>Advanced Semiconductor Materials</u>	5	D	34	-	-	16			3		

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Software Engineering TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
2G1509 Distributed Systems, Basic Course	5	D	24	-	-	-	1				Project work 12 hours
2G1519 Programming Concepts and Techniques, Advanced Course	8	C	38	36	-	22	1	2	3		Individual work approx 200 hours
2G1520 Operating Systems <i>Given in Kista</i>	5	C	28	10	-	-		2			
2G1520 Operating Systems <i>Given at Campus Valhallavägen</i>	5	C	28	12	-	-				4	
2G1529 Network Programming with Java <i>The course replaces 2G1118 The course is given in Kista in period 2</i>	5	D	22	10	-	10		2			
2G1529 Network Programming with Java <i>The course replaces 2G1118 The course is given in Campus Valhallavägen in period 4</i>	5	D	22	10	-	10				4	
2G1530 Logic Programming <i>replaces 2G1121</i>	5	D	16	12	-	-	1				Individual work on project and group presentation 4h
2G1915 Concurrent Programming <i>In period 1, the course is given at Campus Valhallavägen.</i>	5	C	36	-	-	24	1				
2G1915 Concurrent Programming	5	C	36	-	-	24			3		
2I1801 Internet Programming I <i>Replaces 2I1264 from HT04.</i>	5	D	6	-	-	160	1				
2I1802 Internet Programming II <i>Replaces 2I1265 from HT04.</i>	5	D	6	-	-	160		2			
2I1803 Internet Programming III <i>Replaces 2I1266 from VT04</i>	5	D	6	-	-	160			3		
2I1901 Introduction to Software Engineering	5	C	15	-	-	-			3		Seminars 6 hours, project 120 hours
2I1902 Advanced Issues in Object-Orientation	5	C	30	-	-	120		2			
6B2015 Internet Applications	5	A	30	-	-	40		2			
6B2017 Object Oriented Programming, Intermediate Course, JAVA	5	C	38	-	-	40				4	
6B2017 Object Oriented Programming, Intermediate Course, JAVA	5	C	26	14	-	16	1				
6B2018 Object Oriented Programming, Intermediate Course, C# <i>Under bearbetning</i>	5	C	30	-	-	40	1				
6B2027 Project on Object Oriented Software Development <i>Under bearbetning</i>	6	B	4	4	-	-			3	4	Project 100 h

6B2028 Internet Applications, Intermediate Course, Java <i>Under bearbetning</i>	5	C	30	-	-	40			4	
6B2029 Internet Applications, Intermediate Course, .NET with C# <i>Under bearbetning</i>	5	C	30	-	-	40			4	
6B2050 Data Storage Paradigms	5	C	28	20	-	12	1			
6B2053 ICT Project	8	C	-	-	-	-		2	3	Project work 280 h
6B2061 Design of Global Applications <i>Under bearbetning</i>	4	C	-	-	-	-		2		
6B2065 Advanced Information Handling with XML <i>Strictly a Swedish spoken course</i> <i>Under bearbetning</i>	4	C	-	-	-	-			3	
6B3113 Object-oriented Programming Advanced Course, C++ <i>Under bearbetning</i>	5	C	26	14	-	16	1			
6B3116 Real Time Systems <i>Under bearbetning</i>	4	C	30	-	-	20			3	

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Security TTITM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
211037 Network Security	5	C	21	-	-	3			3	4	
211501 Introduction to Information Security and its Environment <i>The course cannot be included in an exam together with any of the courses 211030, 211273, 211278, 214075.</i>	10	D	22	-	-	16	1				Seminars 10 h
211502 Introduction to Cryptography	5	D	28	-	-	12		2			
211503 Network Security <i>Replaces 211274 from 04/05</i>	5	D	18	-	-	18		2			
211504 Software Engineering and Security Architecture	5	D	18	-	-	18			3		
211505 Legal Aspects of Information Security	5	D	24	-	-	12			3		
211506 Security Management <i>Cannot be included in an exam together with course 211050</i>	10	D	24	-	-	6				4	Seminars 18 hours

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Applied Logistics TTILM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6S3701 <u>The Logistic Process</u>	5	A	-	-	-	-	1				
6S3702 <u>Purchasing and Supply Chains</u> <i>Under bearbetning</i>	5	A	-	-	-	-		2			
6S3703 <u>Legislation Issues in Logistics</u>	5	C	-	-	-	-			3		
6S3704 <u>Leadership and Personal Development</u>	5	A	-	-	-	-				4	
6S3706 <u>Transportation System</u> <i>Under bearbetning</i>	5	C	-	-	-	-	1				
6S3707 <u>Logistics, Intermediate Course</u> <i>Under bearbetning</i>	5	C	-	-	-	-		2			
6S3799 <u>Degree Project in Applied Logistics</u> <i>Under bearbetning</i>	10	C	-	-	-	-					

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Uppdaterad: 2004-11-10

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(05/06\)](#)

[Next academic year \(07/08\)](#)

Master's Programme, Urban Planning and Design

Master's Programme, Urban Planning and Design TUPDM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
1A1810 Concepts and Tools in Urban Analysis	0		24	-	-	-	1				Seminars 12h, Project work 36h	
1A1815 Public Places and Spaces	5	C	18	-	-	-		2			Seminars 12h, Project work 42h	
1A1820 Structural Components in Urban Planning and Design	10	D	48	-	-	-				4	Seminars 24h, Project 72h	
1A1825 Compositions in Urban Design	5	D	48	-	-	-			3		Seminars 12h, Project 72h	
1N1506 Urbanism Worldwide	5	C	56	-	-	-	1				Seminars 24h	
1N1508 Urban Theory, Advanced Course	5	D	12	-	-	-		2			Seminars 12h, Excursion 8h	
1N1511 Process in Urban Planning	5	D	20	-	-	-			3		Seminars 20h, Additional time for Project	

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Previous academic year (05/06)

Next academic year (07/08)

Wireless Systems

Wireless Systems TWSSM1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
2AXXXX No translation <i>Under bearbetning</i>	0		30	-	-	-		2			
2E1422 Introduction to Signal Theory	3	C	18	10	-	-	1				
2E1432 Digital Communications	6	C	32	30	-	12	1	2			
Elective Courses											
2B1600 Radio Electronics	5	D	26	12	-	16				4	
2E1333 Optimal Filtering <i>Given every second year. Given 06/07.</i>	4	D	-	-	24	-	1				
2E1340 Digital Signal Processing	5	D	26	16	-	8		2			
2E1350 Adaptive Signal Processing	4	D	24	14	-	-			3		
2E1367 Project Course in Signal Processing and Digital Communication	8	D	10	-	50	-				4	Project work 8 cr.
2E1381 Seminars in Wireless Systems	2	D	-	-	-	-			3	4	16 h Seminars16 h Seminars
2E1400 Speech Signal Processing <i>Replaces 2F1521.</i>	4	D	24	24	-	-		2			
2E1405 Image Processing	4	D	24	24	-	-				4	
2E1410 Information Theory and Source Coding, Accel Program Course	5	D	36	12	-	-			3		
2E1434 Detection and Modulation Theory, Accelerated Program	5	D	21	-	-	-		2			
2E1436 Advanced Digital Communications	4	D	26	26	-	-			3		
2E1438 Information Theory and Channel Coding, Accelerated Program	5	D	21	-	-	-				4	
2E1512 Wireless Networks* ₋	8	D	30	24	-	12				4	80 h Projektuppgift80 h Projektuppgift
2E1605 Internetworking	5	C	-	-	-	-			3		
2E1624 Performance Analysis of Communication Networks <i>The course replaces 2G1324.</i>	5	D	-	-	24	-			3		30 h Projektuppgift30 h Projektuppgift
2E1632 Management of Networks and Networked Systems <i>The course replaces 2G1332.</i>	5	D	20	-	-	-				4	Project
2E1633 Network Services and Internet-based Applications* ₋ <i>The course replaces 2G1333.</i>	5	D	8	-	-	-				4	120 h Projektuppgift120 h Projektuppgift
2G1330 Wireless and Mobile Network Architectures	5	D	10	-	-	-			3		Assigned paper 50h



2H1260 Antenna Theory	5	D	26	24	-	18		3	
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*The course has limited participation

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