Previous academic year (06/07)

Next academic year (08/09)

Biotechnology

Biotechnology BIO2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB1030 Microbiology	9	B	30	24	-	48		2	3		
BB1040 Biochemistry	12	D	34	-	-	-				4	
DN1212 Numerical Methods and Basic Programming *Replaces 2D1212.*	9	A	32	32	-	28	1	2			
KD1050 Chemical Thermodynamics	6	B	28	30	-	-	1				
KD1060 Molecular Structure	7,5	B	36	22	-	20		2	3		
KD1080 Chemical Dynamics	6	B	20	20	-	15			3		
KD1100 Organic Chemistry 2	7,5	B	24	10	-	44				4	6 h Computer6 h Computer
SF1636 Mathematics IV *Replaces 5B1210.*	9	A	60	30	-	-	1	2			

Previous academic year (06/07)

Next academic year (08/09)

Biotechnology

Biotechnology BIO3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB1040 Biochemistry	12	D	-	-	-	72	1				
BB1060 Molecular Biotechnology	7,5	D	36	-	-	15		2			
KD1110 Chemical Measuring Techniques	7,5	B	22	4	-	12	1				
ME1003 Industrial Economy and Management, Basic Course *Replaces 4D1023. Examiner: Thomas Westin. Under bearbetning*	6	A	-	-	38	-		2			4 h Seminars4 h Seminars
Conditionally Elective Courses											
BB2090 Microbiology, Advanced Course	6	D	18	-	-	12				4	
Elective Courses											
BB1070 Genetics *Under bearbetning*	6	C	-	-	-	-			3		

Previous academic year (06/07)

Next academic year (08/09)

Biotechnology

Biotechnology BIO4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
BB2090 Microbiology, Advanced Course	6	D	18	-	-	12				4	
Elective Courses											
BB1070 Genetics *Under bearbetning*	6	C	-	-	-	-			3		
BB2300 Computational Chemistry	7,5	D	20	-	-	-		2			
BB2330 Plant Biotechnology	7,5	D	40	-	-	10	1				
BB2340 Theoretical Materials Design *Under bearbetning*	7,5	D	-	-	-	-				4	
DD2397 Applied Bioinformatics *Replaces 2D1397. The course is given for the time 07/08.*	7,5	C	20	-	-	20	1				

Previous academic year (06/07) Next academic year (08/09)

Biotechnology

Biomolecular chemistry BIO3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD2396 Bioinformatics *Replaces 2D1396.*	6	D	32	-	-	16			3		
KD2190 Organic Chemistry, Theory, Advanced Course 1	7,5	C	12	6	-	-				4	
Recommended Courses											
BB2150 Industrial and Environmental Microbiology, Theory	7,5	D	-	-	-	-			3		
BB2160 Structure Biology	7,5	D	30	-	-	22				4	6 h Seminars6 h Seminars

Biomolecular chemistry BIO4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB2020 Molecular Enzymology	7,5	D	28	8	-	10		2			
BB2030 Enzymatic Synthesis	7,5	D	20	12	-	20				4	6 h Seminars6 h Seminars
BB2170 Drug Development	6	D	36	-	-	-			3		8 h Study visit8 h Study visit
Recommended Courses											
AK2008 Ethics of Biotechnology *Replaces 1N1109. (prior level C)*	7,5	A	20	-	-	-	1	2			Seminars 10h, individual essay-tutorials
BB2040 Biochemical Analyses and Separation Techniques	0		32	-	-	30				4	
BB2190 Enzyme Technology	7,5	D	34	-	-	-	1		3		6 h Seminars6 h Seminars
BB2250 Applied Gene Technology	6	D	18	-	-	-	1				

BB2280 Molecular Modeling	7,5	D	-	-	-	-			3		
KD2200 Organic Chemistry, Advanced Course	6	D	-	-	-	54	1				

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Biotechnology

Environmental biotechnology BIO3

3C1345 or 3C1347

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB2140 Industrial and Environmental Microbiology	12	D	44	12	-	-			3	4	12 h Seminars12 h Seminars
DD2396 Bioinformatics *Replaces 2D1396.*	6	D	32	-	-	16			3		
MJ2623 Environmental Technology and Environmental Impact Studies *Replaces 3C1344*	7,5	C	40	15	-	-			3		Project work or field work
Recommended Courses											
MJ2626 Environmental Technology and Environmental Impact Studies, Larger Course *Replaces 3C1347*	12	D	40	15	-	-			3	4	Project work, Tutorials/Lab.

Environmental biotechnology BIO4

3C1345 or 3C1347

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB2010 Environmental Toxicology	9	D	36	14	-	-	1	2			
Recommended Courses											
AK2008 Ethics of Biotechnology *Replaces 1N1109. (prior level C)*	7,5	A	20	-	-	-	1	2			Seminars 10h, individual essay-tutorials
BB2070 Biochemical Technology	10,5	D	40	-	-	60			3	4	
BB2130 Microbiology of Wastewater Treatment	7,5	D	30	-	-	20				4	
BB2250 Applied Gene Technology	6	D	18	-	-	-	1				

KD2120 Atmosphere, Aquatic and Terrestrial Chemistry	7,5	C	12	10	-	24				4	
MJ2651 Ecology, Advanced Course *Replaces* *3C1356*	6	C	21	4	-	-			3	4	Field work 8h
MJ2653 Environmental Consequences, Advanced Course II *Replaces* *3C1365*	6	D	15	15	-	40	1	2			Field exercises

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Biotechnology

Molecular biotechnology BIO3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB2040 Biochemical Analyses and Separation Techniques	0		32	-	-	30				4	
DD2396 Bioinformatics *Replaces 2D1396.*	6	D	32	-	-	16			3		
Recommended Courses											
BB2150 Industrial and Environmental Microbiology, Theory	7,5	D	-	-	-	-			3		
BB2160 Structure Biology	7,5	D	30	-	-	22				4	6 h Seminars6 h Seminars

Molecular biotechnology BIO4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB2170 Drug Development	6	D	36	-	-	-			3		8 h Study visit8 h Study visit
BB2250 Applied Gene Technology	6	D	18	-	-	-	1				
Recommended Courses											
AK2008 Ethics of Biotechnology *Replaces 1N1109. (prior level C)*	7,5	A	20	-	-	-	1	2			Seminars 10h, individual essay-tutorials
BB2010 Environmental Toxicology	9	D	36	14	-	-	1	2			
BB2020 Molecular Enzymology	7,5	D	28	8	-	10		2			
BB2070 Biochemical Technology	10,5	D	40	-	-	60			3	4	
BB2260 Micro- and Nanotechnologies for Biotechnology	4,5	D	10	-	-	10			3		2 h Study visit2 h Study visit
BB2320 Proteomics Technologies	4,5	D	24	-	-	-			3		

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Biotechnology

Process biotechnology BIO3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB2140 Industrial and Environmental Microbiology	12	D	44	12	-	-			3	4	12 h Seminars12 h Seminars
DD2396 Bioinformatics *Replaces 2D1396.*	6	D	32	-	-	16			3		

Process biotechnology BIO4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB2070 Biochemical Technology	10,5	D	40	-	-	60			3	4	
Recommended Courses											
AK2008 Ethics of Biotechnology *Replaces 1N1109. (prior level C)*	7,5	A	20	-	-	-	1	2			Seminars 10h, individual essay-tutorials
BB2030 Enzymatic Synthesis	7,5	D	20	12	-	20				4	6 h Seminars6 h Seminars
BB2040 Biochemical Analyses and Separation Techniques	0		32	-	-	30				4	
BB2130 Microbiology of Wastewater Treatment	7,5	D	30	-	-	20				4	
BB2250 Applied Gene Technology	6	D	18	-	-	-	1				

Previous academic year (06/07)

Next academic year (08/09)

Biotechnology

Wood biotechnology BIO3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD2396 Bioinformatics *Replaces 2D1396.*	6	D	32	-	-	16			3		
Recommended Courses											
BB2160 Structure Biology	7,5	D	30	-	-	22				4	6 h Seminars6 h Seminars
KF2010 Wood Chemistry and Wood Biotechnology	6	D	26	-	-	15			3		

Wood biotechnology BIO4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB2250 Applied Gene Technology	6	D	18	-	-	-	1				
KF2070 Pulp and Paper Processes, Minor Course	6	D	20	-	-	-	1	2			
Recommended Courses											
AK2008 Ethics of Biotechnology *Replaces 1N1109. (prior level C)*	7,5	A	20	-	-	-	1	2			Seminars 10h, individual essay-tutorials
BB2020 Molecular Enzymology	7,5	D	28	8	-	10		2			
BB2040 Biochemical Analyses and Separation Techniques	0		32	-	-	30				4	
BB2070 Biochemical Technology	10,5	D	40	-	-	60			3	4	
BB2190 Enzyme Technology	7,5	D	34	-	-	-	1		3		6 h Seminars6 h Seminars
KF2030 Fiber Technology	6	D	26	-	-	15				4	

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Chemical Engineering K2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
DN1212 Numerical Methods and Basic Programming *Replaces 2D1212.*	9	A	32	32	-	28	1	2			
KD1040 Chemical Thermodynamics	7,5	B	28	30	-	15	1	2			
KD1070 Molecular Structure	6	B	36	22	-	20		2	3		
KD1080 Chemical Dynamics	6	B	20	20	-	15			3		
KD1100 Organic Chemistry 2	7,5	B	24	10	-	44				4	6 h Computer6 h Computer
KE1030 Transport Phenomena and Engineering Thermodynamics	10,5	C	28	40	-	12		2	3		6 h Seminars, 12 h Computer6 h Seminars, 12 h Computer
KF1010 Polymer Technology with Cellulose Technology	7,5	C	34	25	-	-				4	
SF1636 Mathematics IV *Replaces 5B1210.*	9	A	60	30	-	-	1	2			
Elective Courses											
KE1040 Oral and Written Presentation for Chemists	6	A	4	12	2	2		2	3	4	

Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Chemical Engineering K3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB1050 Biotechnology	6	B	36	-	-	-		2			
KD1110 Chemical Measuring Techniques	7,5	B	22	4	-	12	1				
KD1130 Inorganic Chemistry	6	C	24	4	-	20	1				40 h Projektuppgift40 h Projektuppgift
KE1020 Reaction and Separation Engineering	10,5	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
Elective Courses											
KD2180 Organic Chemistry, Advanced Course 1	13,5	C	12	6	-	54	1			4	
KE1040 Oral and Written Presentation for Chemists	6	A	4	12	2	2		2	3	4	
KE2020 Chemical Engineering	9	D	16	18	-	12				4	
KE2030 Chemical Engineering, Laboratory Course	6	D	2	-	80	-			3		
KE2070 Transport Phenomena, Advanced Course	7,5	D	18	12	-	-			3		6 h Seminars, 12 h Computer6 h Seminars, 12 h Computer
KF2010 Wood Chemistry and Wood Biotechnology	6	D	26	-	-	15			3		
KF2030 Fiber Technology	6	D	26	-	-	15				4	
KF2110 Mechanical Properties of Materials	7,5	C	30	15	-	12				4	
KF2140 Polymer Physics	7,5	D	18	18	-	45			3		
LI1081 Information Searching for Chemists	1,5	B	-	-	-	-	1				Three laborations on all together 9h.The course is given regularly throughout the year.

LI1081 Information Searching for Chemists	1,5	B	-	-	-	-		2			Three laborations on all together 9h. The course is given regularly throughout the year.
LI1081 Information Searching for Chemists	1,5	B	-	-	-	-			3		Three laborations on a total of 9h. The course is given regularly throughout the year.
LI1081 Information Searching for Chemists	1,5	B	-	-	-	-				4	Three laborations on a total of 9h. The course is given regularly throughout the year.
MJ2623 Environmental Technology and Environmental Impact Studies *Replaces 3C1344*	7,5	C	40	15	-	-			3		Project work or field work
MJ2626 Environmental Technology and Environmental Impact Studies, Larger Course *Replaces 3C1347*	12	D	40	15	-	-			3	4	Project work, Tutorials/Lab.
MJ2663 Environmental Management *Replaces 3C1380*	6	C	10	-	-	-	1				Seminars 12 h
MJ2670 Risk Management *Replaces 3C1383*	6	C	16	15	-	-	1				The course is given in Swedish in period 1 and in English in period 3.
SF1641 Mathematics, Advanced Course, Partial Differential Equations *Replaces 5B1301.*	6	C	-	-	60	-			3		

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Chemical Engineering K4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Recommended Courses											
KF3090 Polymer Chemistry	6	D	30	-	-	-			3		
KF3100 Polymer Physics	6	D	30	-	-	-		2			
MJ2664 Environmental Management II, Advanced Course *Replaces 3C1381*	6	D	8	6	-	-				4	Project
Elective Courses											
LI1081 Information Searching for Chemists	1,5	B	-	-	-	-			3		Three laborations on a total of 9h. The course is given regularly throughout the year.
LI1081 Information Searching for Chemists	1,5	B	-	-	-	-	1				Three laborations on all together 9h.The course is given regularly throughout the year.
LI1081 Information Searching for Chemists	1,5	B	-	-	-	-		2			Three laborations on all together 9h. The course is given regularly throughout the year.
LI1081 Information Searching for Chemists	1,5	B	-	-	-	-				4	Three laborations on a total of 9h. The course is given regularly throughout the year.
MJ2630 Waste Management, Advanced Course *Replaces 3C1350*	6	D	18	-	-	-				4	Project work, Assignments, Study visit 4 halfdays
MJ2651 Ecology, Advanced Course *Replaces 3C1356*	6	C	21	4	-	-			3	4	Field work 8h

MJ2680 Environmental Systems Analysis *Replaces 3C1387*	6	C	16	8	-	6		2			

Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Biomedical Engineering K3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
HL1009 Neuroscience*	7,5	C	50	-	-	20				4	

*The course has limited participation

Biomedical Engineering K4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars
Recommended Courses											
BB1050 Biotechnology	6	B	36	-	-	-		2			

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Biomolecular technology K3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
BB1040 Biochemistry	12	D	34	-	-	-				4	
BB2100 Microbiology, General Course	9	D	36	16	-	54			3	4	
KD2010 Analytical Chemistry	6	C	16	-	-	16			3		
KD2190 Organic Chemistry, Theory, Advanced Course 1	7,5	C	12	6	-	-				4	
Recommended Courses											
KD2100 Radical Chemistry	7,5	C	30	-	-	-			3		

Biomolecular technology K4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
BB1040 Biochemistry	12	D	-	-	-	72	1				
BB2180 Molecular Biotechnology, Theory	6	D	36	-	-	-		2			
Recommended Courses											
AK2008 Ethics of Biotechnology *Replaces 1N1109. (prior level C)*	7,5	A	20	-	-	-	1	2			Seminars 10h, individual essay-tutorials
BB2010 Environmental Toxicology	9	D	36	14	-	-	1	2			
BB2020 Molecular Enzymology	7,5	D	28	8	-	10		2			
BB2030 Enzymatic Synthesis	7,5	D	20	12	-	20				4	6 h Seminars6 h Seminars
BB2040 Biochemical Analyses and Separation Techniques	0		32	-	-	30				4	
BB2070 Biochemical Technology	10,5	D	40	-	-	60			3	4	

BB2080 Biochemical Technology, Theory	7,5	D	40	10	-	-			3	4	
BB2140 Industrial and Environmental Microbiology	12	D	44	12	-	-			3	4	12 h Seminars12 h Seminars
BB2150 Industrial and Environmental Microbiology, Theory	7,5	D	-	-	-	-			3		
BB2160 Structure Biology	7,5	D	30	-	-	22				4	6 h Seminars6 h Seminars
BB2170 Drug Development	6	D	36	-	-	-			3		8 h Study visit8 h Study visit
BB2250 Applied Gene Technology	6	D	18	-	-	-	1				
KD2020 Organic and Biochemical Analytical Separations	7,5	D	28	20	-	36				4	
KD2040 Quantum Chemistry and Spectroscopy	9	D	48	-	-	8	1				
KD2060 NMR-spectroscopy	6	D	30	-	-	12		2			
KD2100 Radical Chemistry	7,5	C	30	-	-	-			3		
KD2160 Structural Chemistry	7,5	D	16	6	-	16	1				
KD2200 Organic Chemistry, Advanced Course	6	D	-	-	-	54	1				
KD2220 Selective Organic Synthesis	6	D	28	-	-	-			3		
KD2240 Ecological Chemistry	6	C	20	-	-	48				4	
KD2250 Ecological Chemistry, with project	9	C	20	-	-	-				4	

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Chemical engineering K3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
KE2020 Chemical Engineering	9	D	16	18	-	12				4	
KE2070 Transport Phenomena, Advanced Course	7,5	D	18	12	-	-			3		6 h Seminars, 12 h Computer6 h Seminars, 12 h Computer
Recommended Courses											
BB2100 Microbiology, General Course	9	D	36	16	-	54			3	4	
KD2010 Analytical Chemistry	6	C	16	-	-	16			3		
KD2070 Technical Surface Colloid Chemistry	6	C	32	6	-	12				4	
KD2190 Organic Chemistry, Theory, Advanced Course 1	7,5	C	12	6	-	-				4	
KE2030 Chemical Engineering, Laboratory Course	6	D	2	-	80	-			3		
KE2050 Environmental Catalysis	6	D	30	-	-	-			3		6 h Seminars, 6 h Study visit6 h Seminars, 6 h Study visit
KE2110 Applied Electrochemistry	7,5	D	32	16	-	15			3		
KF2010 Wood Chemistry and Wood Biotechnology	6	D	26	-	-	15			3		
KF2030 Fiber Technology	6	D	26	-	-	15				4	
KF2110 Mechanical Properties of Materials	7,5	C	30	15	-	12				4	
MJ2626 Environmental Technology and Environmental Impact Studies, Larger Course *Replaces 3C1347*	12	D	40	15	-	-			3	4	Project work, Tutorials/Lab.
SF1641 Mathematics, Advanced Course, Partial Differential Equations *Replaces 5B1301.*	6	C	-	-	60	-			3		

SG2212 Computational Fluid Dynamics *Replaces 5C1212.*	7,5	D	-	-	50	10			3			
Elective Courses												
KE2130 Renewable Fuel Production Processes	7,5	D	30	-	-	-			3			

Chemical engineering K4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
KE2010 Industrial Energy Processes	7,5	D	20	20	-	-	1	2			
KE2040 Chemical Reaction Engineering	9	D	16	24	-	34	1	2			
KE2080 Chemical Engineering in Fine and Specialty Chemicals	7,5	D	20	12	42	27	1				8h industry visit
Recommended Courses											
BB2070 Biochemical Technology	10,5	D	40	-	-	60			3	4	
BB2080 Biochemical Technology, Theory	7,5	D	40	10	-	-			3	4	
BB2100 Microbiology, General Course	9	D	36	16	-	54			3	4	
BB2140 Industrial and Environmental Microbiology	12	D	44	12	-	-			3	4	12 h Seminars12 h Seminars
BB2150 Industrial and Environmental Microbiology, Theory	7,5	D	-	-	-	-			3		
DD1320 Applied Computer Science *Replaces 2D1320.*	6	A	28	14	-	20	1	2			
DN2225 Numerical Solutions of Differential Equations *Replaces 2D1225.*	6	C	24	4	-	12	1	2			
EL1000 Automatic Control, General Course *Replaces 2E1200*	6	C	24	26	-	12	1				
KD2010 Analytical Chemistry	6	C	16	-	-	16			3		
KD2080 Nuclear Chemistry	7,5	C	30	-	-	20		2			
KD2120 Atmosphere, Aquatic and Terrestrial Chemistry	7,5	C	12	10	-	24				4	
KD2180 Organic Chemistry, Advanced Course 1	13,5	C	12	6	-	54	1			4	
KD2190 Organic Chemistry, Theory, Advanced Course 1	7,5	C	12	6	-	-				4	
KE2010 Industrial Energy Processes	7,5	D	20	20	-	-	1	2			
KE2030 Chemical Engineering, Laboratory Course	6	D	2	-	80	-			3		
KE2050 Environmental Catalysis	6	D	30	-	-	-			3		6 h Seminars, 6 h Study visit6 h Seminars, 6 h Study visit

KE2060 Computational Project in Chemical Engineering	7,5	D	-	-	-	-				4	5 weeks fulltime (including compulsory technical report, web based presentation and a seminar
KE2110 Applied Electrochemistry	7,5	D	32	16	-	15			3		
KE2120 Chemical Engineering, Design Course	15	D	40	120	-	-				4	
KF2020 The Chemistry of Pulping and Bleaching	7,5	D	26	-	-	-		2			24 h Seminars24 h Seminars
KF2050 Paper Processes Technology	6	D	20	-	-	20			3		
KF2060 Pulp and Paper Processes	9	D	40	-	-	48	1	2			
KF2070 Pulp and Paper Processes, Minor Course	6	D	20	-	-	-	1	2			
KF2100 Pulp Technology	6	D	24	-	-	-				4	24 h Seminars24 h Seminars
KF2110 Mechanical Properties of Materials	7,5	C	30	15	-	12				4	
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
MJ2410 Energy Management *Replaces 4A1610*	6	D	50	-	-	-		2	3		
MJ2411 Renewable Energy Technology *Replaces 4A1611*	6	D	-	-	52	-	1				Study visit 8h
MJ2413 Energy and Environment *Replaces 4A1613 Examinator: Björn Palm, Tel 790 7453*	6	D	50	-	-	-			3	4	Study visit 6h
SD2224 Vehicle Systems for a Better Environment* *Replaces 4B1424. There are 50 places to be shared among universities engaged in this set of courses.*	8	C	26	20	-	8	1				

SD2228 Environmental Friendly Vehicle - Project Course* *Replaces 4B1428. Not given Spring 2008.*	8	D	10	20	-	-					Assignment work 40h Presentations 10h
SF1641 Mathematics, Advanced Course, Partial Differential Equations *Replaces 5B1301.*	6	C	-	-	60	-			3		
Elective Courses											
KE2130 Renewable Fuel Production Processes	7,5	D	30	-	-	-			3		

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Environmental Management K4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MJ2663 Environmental Management *Replaces 3C1380*	6	C	10	-	-	-	1				Seminars 12 h
MJ2680 Environmental Systems Analysis *Replaces 3C1387*	6	C	16	8	-	6		2			
Recommended Courses											
KD2120 Atmosphere, Aquatic and Terrestrial Chemistry	7,5	C	12	10	-	24				4	
MJ2630 Waste Management, Advanced Course *Replaces 3C1350*	6	D	18	-	-	-				4	Project work, Assignments, Study visit 4 halfdays
MJ2631 International Intensive Course in Solid Waste Management *Replaces 3C1351*	6	D	-	-	-	-				4	
MJ2653 Environmental Consequences, Advanced Course II *Replaces 3C1365*	6	D	15	15	-	40	1	2			Field exercises
MJ2670 Risk Management *Replaces 3C1383*	6	C	16	15	-	-	1				The course is given in Swedish in period 1 and in English in period 3.

Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Industrial ecology K3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MJ2626 Environmental Technology and Environmental Impact Studies, Larger Course *Replaces 3C1347*	12	D	40	15	-	-			3	4	Project work, Tutorials/Lab.
MJ2663 Environmental Management *Replaces 3C1380*	6	C	10	-	-	-	1				Seminars 12 h
Recommended Courses											
BB2050 Biochemistry	6	D	-	-	-	-				4	
KD2010 Analytical Chemistry	6	C	16	-	-	16			3		
KD2120 Atmosphere, Aquatic and Terrestrial Chemistry	7,5	C	12	10	-	24				4	
KD2180 Organic Chemistry, Advanced Course 1	13,5	C	12	6	-	54	1			4	
KD2190 Organic Chemistry, Theory, Advanced Course 1	7,5	C	12	6	-	-				4	
KE2050 Environmental Catalysis	6	D	30	-	-	-			3		6 h Seminars, 6 h Study visit6 h Seminars, 6 h Study visit
MJ2630 Waste Management, Advanced Course *Replaces 3C1350*	6	D	18	-	-	-				4	Project work, Assignments, Study visit 4 halfdays

Industrial ecology K4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											

MJ2611 Introduction Industrial Ecology *Replaces 3C1336*	6	C	12	-	-	-	1				Seminars 8 h Project Study visit 4 h
MJ2663 Environmental Management *Replaces 3C1380*	6	C	10	-	-	-	1				Seminars 12 h
MJ2680 Environmental Systems Analysis *Replaces 3C1387*	6	C	16	8	-	6		2			
MJ2691 Technology and Sustainable Development *Replaces 3C1396*	6	C	8	9	-	-		2			
Recommended Courses											
BB2010 Environmental Toxicology	9	D	36	14	-	-	1	2			
BB2050 Biochemistry	6	D	-	-	-	-				4	
BB2100 Microbiology, General Course	9	D	36	16	-	54			3	4	
BB2130 Microbiology of Wastewater Treatment	7,5	D	30	-	-	20				4	
BB2140 Industrial and Environmental Microbiology	12	D	44	12	-	-			3	4	12 h Seminars12 h Seminars
KD2120 Atmosphere, Aquatic and Terrestrial Chemistry	7,5	C	12	10	-	24				4	
KE2010 Industrial Energy Processes	7,5	D	20	20	-	-	1	2			
KE2050 Environmental Catalysis	6	D	30	-	-	-			3		6 h Seminars, 6 h Study visit6 h Seminars, 6 h Study visit
MJ2622 Environmental Technology, Advanced Course II *Replaces 3C1342*	9	D	-	-	-	-					Project work
MJ2630 Waste Management, Advanced Course *Replaces 3C1350*	6	D	18	-	-	-				4	Project work, Assignments, Study visit 4 halfdays
MJ2653 Environmental Consequences, Advanced Course II *Replaces 3C1365*	6	D	15	15	-	40	1	2			Field exercises
MJ2664 Environmental Management II, Advanced Course *Replaces 3C1381*	6	D	8	6	-	-				4	Project
MJ2670 Risk Management *Replaces 3C1383*	6	C	16	15	-	-	1				The course is given in Swedish in period 1 and in English in period 3.

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Material Chemistry K3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF2110 Mechanical Properties of Materials	7,5	C	30	15	-	12				4	
Conditionally Elective Courses											
KD2150 Inorganic Materials Chemistry	7,5	D	20	6	-	15				4	
KF2010 Wood Chemistry and Wood Biotechnology	6	D	26	-	-	15			3		
KF2030 Fiber Technology	6	D	26	-	-	15				4	
KF2140 Polymer Physics	7,5	D	18	18	-	45			3		
Recommended Courses											
KD2010 Analytical Chemistry	6	C	16	-	-	16			3		
KD2070 Technical Surface Colloid Chemistry	6	C	32	6	-	12				4	
KD2100 Radical Chemistry	7,5	C	30	-	-	-			3		
KD2180 Organic Chemistry, Advanced Course 1	13,5	C	12	6	-	54	1			4	
KD2190 Organic Chemistry, Theory, Advanced Course 1	7,5	C	12	6	-	-				4	
KE2070 Transport Phenomena, Advanced Course	7,5	D	18	12	-	-			3		6 h Seminars, 12 h Computer6 h Seminars, 12 h Computer
KE2110 Applied Electrochemistry	7,5	D	32	16	-	15			3		
KF2090 Paper Chemistry	6	D	26	15	-	-			3		
KF2150 Surface Coatings Chemistry	7,5	D	30	-	-	28				4	
KF2180 Biopolymers	7,5	D	20	6	-	25			3		
MH2301 Advanced Materials *Replaces 4H1610*	6	C	18	-	-	6			3		Study visit 8h Seminars 18h

Material Chemistry K4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
KF2130 Polymer Chemistry	7,5	D	18	18	-	45	1				
Recommended Courses											
IM2652 Surface Physics, Basic Course *Replaces* *2B1263* *Under bearbetning*	6	D	36	-	-	-			3		
IM2662 Experimental Methods in Material Physics *Replaces* *2B1760* *Under bearbetning*	7,5	C	26	22	-	30		2	3		
KD2010 Analytical Chemistry	6	C	16	-	-	16			3		
KD2070 Technical Surface Colloid Chemistry	6	C	32	6	-	12				4	
KD2100 Radical Chemistry	7,5	C	30	-	-	-			3		
KD2160 Structural Chemistry	7,5	D	16	6	-	16	1				
KD2170 Nano-strucured Materials	7,5	D	16	6	-	16		2			
KD2190 Organic Chemistry, Theory, Advanced Course 1	7,5	C	12	6	-	-				4	
KD2240 Ecological Chemistry	6	C	20	-	-	48				4	
KD2250 Ecological Chemistry, with project	9	C	20	-	-	-				4	
KE2010 Industrial Energy Processes	7,5	D	20	20	-	-	1	2			
KE2070 Transport Phenomena, Advanced Course	7,5	D	18	12	-	-			3		6 h Seminars, 12 h Computer6 h Seminars, 12 h Computer
KE2110 Applied Electrochemistry	7,5	D	32	16	-	15			3		
KF2020 The Chemistry of Pulping and Bleaching	7,5	D	26	-	-	-		2			24 h Seminars24 h Seminars
KF2040 Paper Physics	6	D	20	-	-	20		2			
KF2050 Paper Processes Technology	6	D	20	-	-	20			3		
KF2060 Pulp and Paper Processes	9	D	40	-	-	48	1	2			
KF2090 Paper Chemistry	6	D	26	15	-	-			3		
KF2100 Pulp Technology	6	D	24	-	-	-				4	24 h Seminars24 h Seminars
KF2150 Surface Coatings Chemistry	7,5	D	30	-	-	28				4	
KF2160 Mechanical Properties and Testing of Polymers	7,5	D	30	12	-	12			3		
KF2170 Polymer Process Engineering I	7,5	D	30	10	-	28				4	
KF2180 Biopolymers	7,5	D	20	6	-	25			3		
KF2190 Polymeric Materials: Structure and Properties	7,5	D	18	18	-	45		2			

KF2260 Polymers in Engineering Design	6	D	18	24	-	8				4	
MH2300 Functional Materials *Replaces* *4H1609*	6	D	18	-	-	6			3		Study visit 8h
MH2301 Advanced Materials *Replaces* *4H1610*	6	C	18	-	-	6			3		Study visit 8h Seminars 18h

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Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Molecular Design K3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
KD2010 Analytical Chemistry	6	C	16	-	-	16			3		
KD2050 Molecular Thermodynamics	6	D	24	4	-	-			3		
KD2070 Technical Surface Colloid Chemistry	6	C	32	6	-	12				4	
KD2190 Organic Chemistry, Theory, Advanced Course 1	7,5	C	12	6	-	-				4	
Recommended Courses											
BB2160 Structure Biology	7,5	D	30	-	-	22				4	6 h Seminars6 h Seminars
KD2100 Radical Chemistry	7,5	C	30	-	-	-			3		
KD2120 Atmosphere, Aquatic and Terrestrial Chemistry	7,5	C	12	10	-	24				4	
KD2140 Bio-inorganic Chemistry	7,5	D	20	6	-	15				4	
KD2150 Inorganic Materials Chemistry	7,5	D	20	6	-	15				4	
KD2180 Organic Chemistry, Advanced Course 1	13,5	C	12	6	-	54	1			4	
KE2090 Pharmaceutical Technology *Lectures are given in Stockholm (KTH) and laboratory work in Uppsala (Biomedical centre).*	7,5	D	32	10	-	25			3		
KE2110 Applied Electrochemistry	7,5	D	32	16	-	15			3		
KF2010 Wood Chemistry and Wood Biotechnology	6	D	26	-	-	15			3		
KF2140 Polymer Physics	7,5	D	18	18	-	45			3		

MJ2626 Environmental Technology and Environmental Impact Studies, Larger Course *Replaces 3C1347*	12	D	40	15	-	-			3	4	Project work, Tutorials/Lab.
SF1641 Mathematics, Advanced Course, Partial Differential Equations *Replaces 5B1301.*	6	C	-	-	60	-			3		
SF2950 Applied Mathematical Statistics *Replaces 5B1550.*	7,5	D	-	-	60	-			3		
Elective Courses											
KD2160 Structural Chemistry	7,5	D	16	6	-	16	1				
KD2170 Nano-strucured Materials	7,5	D	16	6	-	16		2			

Molecular Design K4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
BB2050 Biochemistry	6	D	-	-	-	-				4	
KD2010 Analytical Chemistry	6	C	16	-	-	16			3		
KD2040 Quantum Chemistry and Spectroscopy	9	D	48	-	-	8	1				
KD2050 Molecular Thermodynamics	6	D	24	4	-	-			3		
KD2070 Technical Surface Colloid Chemistry	6	C	32	6	-	12				4	
KD2190 Organic Chemistry, Theory, Advanced Course 1	7,5	C	12	6	-	-				4	
Recommended Courses											
BB1060 Molecular Biotechnology	7,5	D	36	-	-	15		2			
BB2020 Molecular Enzymology	7,5	D	28	8	-	10		2			
BB2030 Enzymatic Synthesis	7,5	D	20	12	-	20				4	6 h Seminars6 h Seminars
BB2060 Biochemistry, Laboratory Course	6	D	-	-	-	-	1				
BB2100 Microbiology, General Course	9	D	36	16	-	54			3	4	
BB2160 Structure Biology	7,5	D	30	-	-	22				4	6 h Seminars6 h Seminars
DD1320 Applied Computer Science *Replaces 2D1320.*	6	A	28	14	-	20	1	2			
DN2225 Numerical Solutions of Differential Equations *Replaces 2D1225.*	6	C	24	4	-	12	1	2			

IM2652 Surface Physics, Basic Course *Replaces 2B1263* *Under bearbetning*	6	D	36	-	-	-			3		
KD2020 Organic and Biochemical Analytical Separations	7,5	D	28	20	-	36				4	
KD2060 NMR-spectroscopy	6	D	30	-	-	12		2			
KD2080 Nuclear Chemistry	7,5	C	30	-	-	20		2			
KD2090 Nuclear Fuel Cycle	6	D	16	-	-	6			3		Project
KD2100 Radical Chemistry	7,5	C	30	-	-	-			3		
KD2120 Atmosphere, Aquatic and Terrestrial Chemistry	7,5	C	12	10	-	24				4	
KD2140 Bio-inorganic Chemistry	7,5	D	20	6	-	15				4	
KD2150 Inorganic Materials Chemistry	7,5	D	20	6	-	15				4	
KD2160 Structural Chemistry	7,5	D	16	6	-	16	1				
KD2170 Nano-strucured Materials	7,5	D	16	6	-	16		2			
KD2200 Organic Chemistry, Advanced Course	6	D	-	-	-	54	1				
KD2210 Applied Organic Molecular Spectroscopy	6	D	-	-	-	-	1				
KD2220 Selective Organic Synthesis	6	D	28	-	-	-			3		
KD2230 Selective Organic Synthesis	7,5	D	28	-	-	40			3		
KD2240 Ecological Chemistry	6	C	20	-	-	48				4	
KD2250 Ecological Chemistry, with project	9	C	20	-	-	-				4	
KE2090 Pharmaceutical Technology *Lectures are given in Stockholm (KTH) and laboratory work in Uppsala (Biomedical centre).*	7,5	D	32	10	-	25			3		
KE2110 Applied Electrochemistry	7,5	D	32	16	-	15			3		
KF2010 Wood Chemistry and Wood Biotechnology	6	D	26	-	-	15			3		
KF2130 Polymer Chemistry	7,5	D	18	18	-	45	1				
KF2140 Polymer Physics	7,5	D	18	18	-	45			3		
MJ2626 Environmental Technology and Environmental Impact Studies, Larger Course *Replaces 3C1347*	12	D	40	15	-	-			3	4	Project work, Tutorials/Lab.
SF1641 Mathematics, Advanced Course, Partial Differential Equations *Replaces 5B1301.*	6	C	-	-	60	-			3		

SF2950 Applied Mathematical Statistics *Replaces 5B1550.*	7,5	D	-	-	60	-			3		
SK2800 Laser Spectroscopy *Replaces 5A1490.*	8	D	24	-	-	12		2			
SK2810 Femto Chemistry *Replaces 5A1491.*	8	D	36	-	-	-			3		

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Previous academic year (06/07)

Next academic year (08/09)

Chemical Engineering

Pharmaceutical technology K3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB2170 Drug Development	6	D	36	-	-	-			3		8 h Study visit8 h Study visit
KD2070 Technical Surface Colloid Chemistry	6	C	32	6	-	12				4	
KD2190 Organic Chemistry, Theory, Advanced Course 1	7,5	C	12	6	-	-				4	
Recommended Courses											
BB1050 Biotechnology	6	B	36	-	-	-		2			
KD2020 Organic and Biochemical Analytical Separations	7,5	D	28	20	-	36				4	
KE2030 Chemical Engineering, Laboratory Course	6	D	2	-	80	-			3		

Pharmaceutical technology K4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KE2080 Chemical Engineering in Fine and Specialty Chemicals	7,5	D	20	12	42	27	1				8h industry visit
KE2090 Pharmaceutical Technology *Lectures are given in Stockholm (KTH) and laboratory work in Uppsala (Biomedical centre).*	7,5	D	32	10	-	25			3		
Recommended Courses											
BB1060 Molecular Biotechnology	7,5	D	36	-	-	15		2			

BB2160 Structure Biology	7,5	D	30	-	-	22				4	6 h Seminars6 h Seminars
BB2170 Drug Development	6	D	36	-	-	-			3		8 h Study visit8 h Study visit
KD2010 Analytical Chemistry	6	C	16	-	-	16			3		

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Civil Engineering and Urban Management

Civil Engineering and Urban Management S2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AE1101 Natural Resources Theory *Replaces 1M1201. (prior level A)* *Under bearbetning*	6	G	22	15	-	-	1				Projekt 6h, Field-trip 6h
AE1102 Geology and Geotechnical Engineering *Replaces 1M1202. (prior level A)* *Under bearbetning*	6	G	23	24	-	3	1				Field-trip 6h
AF1002 Buildings and Civil Engineering Structures *Replaces 1L1026. (prior level B)*	7,5	G	33	18	-	-				4	Workshop 18h, Study-visit 6h

AG1102 Economic Geography *Replaces 1N1502. (prior level B) One of the courses 1N1502/5C1107 has to be choosen.* *Under bearbetning*	7,5	G	24	-	-	-				4	Project 36h
AG1311 Graphic Information Systems *Replaces 1N1651. (prior level B)*	7,5	G	24	-	-	44			3		Project 10h
AI1107 Economics *Replaces 1N1306. (prior level B)* *Under bearbetning*	7,5	G	30	25	-	-			3		Project 20h
AI1501 Planning, Building and Environmental Law *Replaces 1N1409. (prior level A)*	6	G	24	24	-	-		2			
DN1214 Numerical Methods, Basic Course *replaces 2D1214.*	6	A	20	18	-	14	1	2			
SF1908 Mathematical Statistics, Basic Course *Replaces 5B1508.*	6	A	24	32	-	4		2			

SG1107 Mechanics *Replaces 5C1107 One of the courses 5C1107/1N1502 has to be choosen*	7,5	A	28	14	-	-				4	Workshop 21h, mid-course test 4h

Previous academic year (06/07) Next academic year (08/09)

Civil Engineering and Urban Management

Architectural Engineering S3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AE1601 Fluid Mechanics for Architecture and Built Environment *Replaces 1M1301. (prior level C)* *Under bearbetning*	7,5	G	40	-	-	2	1				Workshop 36h
AF1003 Material and Water Chemistry *Replaces 1L1027. (prior level B)*	7,5	G	31	7	-	8	1				
AF1004 Building Materials and Building Physics *Replaces 1L1028. (prior level C)*	7,5	G	40	40	-	5		2			
AF1005 Structural Engineering, Basic Course *Replaces 1L1029. (prior level C)*	7,5	G	33	44	-	-			3		
AF1401 Building Technology and Design *Replaces 1L1401. (prior level C)*	7,5	G	-	-	-	-				4	
AF1501 Building Services Engineering, Basic Course *Replaces 1L1501. (prior level C)*	7,5	G	33	44	-	-				4	Computer-lab 3h, study-visit 1h

AF1601 Soil Mechanics and Foundation Engineering *Replaces 1L1601. (prior level C)*	7,5	G	33	-	-	3			3		Workshop 27h
SG1801 Structural Mechanics, Basic Course *Replaces 5C1810. (prior level C)*	7,5	C	33	-	-	-		2			Workshop 33h

Architectural Engineering S4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
AF2001 Structural Engineering, Advanced Course *Replaces 1L1030. (prior level D)*	7,5	A	33	44	-	-	1				
AF2021 Building Design and Construction Project *Replaces 1L1034. (prior level D)*	15	A	40	-	-	-			3	4	100h Project
AF2402 Acoustics and Fire *Examinator: Kjell Nilvér Replaces 1L1402. (prior level C)*	7,5	A	33	44	-	-	1				
Recommended Courses											
AF2002 Concrete and Steel Structures *Replaces 1L1031. (prior level D)*	7,5	A	33	44	-	-		2			
AF2301 Building Materials, Advanced Course *Replaces 1L1301. (prior level D)*	7,5	A	33	22	-	-		2			12h Seminars, 10h Study-visits
AF2401 Building Technology, Advanced Course *Replaces 1L1403. (prior level D)*	7,5	A	33	44	-	-			3		

AF2502 Building Services Engineering, Advanced Course *Examinator: Elisabeth Mundt Replaces 1L1502. (prior level D)*	7,5	A	33	31	-	9		2				
AF2503 Indoor Climate and Industrial Ventilation *Examinator: Tor-Göran Malmström Replaces 1L1503. (prior level D)*	7,5	A	20	-	-	8			3			
AF2504 Building Services Engineering, Simulation *Examinator: Tor-Göran Malmström Replaces 1L1504. (prior level D)*	7,5	A	27	39	-	-				4		
AF2603 Soil - Structure Interaction *Replaces 1L1603. (prior level D)*	7,5	A	35	40	-	-				4		
SG2802 Membranes, Plates and FEM *Replaces 5C1820. (prior level D)*	7,5	D	33	-	-	-				4	33h Workshop	
SG2803 Numerical Modelling and Simulation *Replaces 5C1830. (prior level C)*	7,5	C	33	-	-	-		2			33h Workshop	

Previous academic year (06/07) Next academic year (08/09)

Civil Engineering and Urban Management

Building and Real Estate Economics S3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AF1031 Building Technology and Building Services Engineering *Replaces 1L1041. (prior level C)*	7,5	G	30	30	-	9			3		
AF1032 Operation, Maintenance and Reconstruction of Buildings *replaces 1L1042. (prior level C)*	7,5	G	25	20	-	-				4	Study Visits 15h
AI1108 Investment Analysis *Replaces 1N1307. (prior level C) Under bearbetning*	7,5	G	30	30	-	-	1				
AI1109 Building and Real Estate Economics *Replaces 1N1309. (prior level C) Under bearbetning*	7,5	G	30	30	-	-		2			
AI1110 Accounting for Real Estate Companies *Replaces 1N1310. (prior level C) Under bearbetning*	7,5	G	30	30	-	-				4	

AI1509 Real Estate Law *Replaces 1F1442. (prior level C)* *Under bearbetning*	7,5	G	35	30	-	-			3		
AI1510 Introduction to Swedish Law, Basic Course *Replaces 1N1420. (prior level A)* *Under bearbetning*	7,5	G	21	32	-	-		2			Web-based study-support
AI2130 Quantitative Methods with Real Estate Applications *Replaces 1N1308. (prior level C)* *Under bearbetning*	7,5	G	30	30	-	-	1				

Building and Real Estate Economics S4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
AI2114 Corporate and Real Estate Taxation *Replaces 1N1314. (prior level C)* *Under bearbetning*	7,5	A	30	30	-	-	1				
AI2115 Financial Economics *Replaces 1N1315. (prior level D)* *Under bearbetning*	7,5	A	30	30	-	-		2			
AI2119 Real Estate Management *Replaces 1N1319. (prior level C)* *Under bearbetning*	7,5	A	30	30	-	-	1				

AI2128 Urban Land Economics *Replaces 1H1157. (prior level D)* *Under bearbetning*	7,5	A	24	36	-	-		2				
Conditionally Elective Courses												
AI2102 Real Estate Market Analysis and Development *Replaces 1F1333. (prior level D)* *Under bearbetning*	7,5	A	30	30	-	-			3			
AI2104 Real Estate Valuation *Replaces 1F1399. (prior level D)* *Under bearbetning*	7,5	A	30	30	-	-				4		
AI2116 Contract Theory *replaces 1N1316. (prior level D)* *Under bearbetning*	7,5	A	30	30	-	-			3			
AI2117 Facility Management *Replaces 1N1317. (prior level D)* *Under bearbetning*	7,5	A	30	30	-	-				4	Web-based study-support	
AI2118 Portfolio Management and Real Estate Finance *Replaces 1N1318. (prior level D)* *Under bearbetning*	7,5	A	30	30	-	-				4		

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Previous academic year (06/07) Next academic year (08/09)

Civil Engineering and Urban Management

Civil Engineering S3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AE1501 Environmental System Analysis *Replaces 1M1303. (prior level C)* *Under bearbetning*	7,5	G	22	10	-	-				4	Seminars 10h, Project 6h
AE1601 Fluid Mechanics for Architecture and Built Environment *Replaces 1M1301. (prior level C)* *Under bearbetning*	7,5	G	40	-	-	2	1				Workshop 36h
AF1003 Material and Water Chemistry *Replaces 1L1027. (prior level B)*	7,5	G	31	7	-	8	1				
AF1004 Building Materials and Building Physics *Replaces 1L1028. (prior level C)*	7,5	G	40	40	-	5		2			
AF1005 Structural Engineering, Basic Course *Replaces 1L1029. (prior level C)*	7,5	G	33	44	-	-			3		
AF1501 Building Services Engineering, Basic Course *Replaces 1L1501. (prior level C)*	7,5	G	33	44	-	-				4	Computer-lab 3h, study-visit 1h

AF1601 Soil Mechanics and Foundation Engineering *Replaces 1L1601. (prior level C)*	7,5	G	33	-	-	3			3			Workshop 27h
SG1801 Structural Mechanics, Basic Course *Replaces 5C1810. (prior level C)*	7,5	C	33	-	-	-		2				Workshop 33h

Civil Engineering S4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
AF2001 Structural Engineering, Advanced Course *Replaces 1L1030. (prior level D)*	7,5	A	33	44	-	-	1				
AF2012 Civil Engineering Project Course *Replaces 1L1033. (prior level D)*	15	A	40	-	-	-			3	4	Exercises/ Workshops 100h
AK2023 Risk- and Safety Analys in Building *Replaces 1N1127. (prior level D)*	7,5	A	44	-	-	-	1				
Recommended Courses											
AE2601 Hydraulic Engineering *Replaces 1M1401. (prior level D)*	7,5	A	33	-	-	-		2			33 h Workshop, 8 h Study visit33 h Workshop, 8 h Study visit
AF2002 Concrete and Steel Structures *Replaces 1L1031. (prior level D)*	7,5	A	33	44	-	-		2			
AF2011 Structural Dynamics for Civil Engineers *Replaces 1L1032. (prior level D)*	7,5	A	33	-	-	12				4	Exercises and Workshop 32h

AF2201 Bridge Design *Replaces 1L1203. (prior level D)*	7,5	A	33	-	-	-			3		Exercises and Workshop 44h
AF2603 Soil - Structure Interaction *Replaces 1L1603. (prior level D)*	7,5	A	35	40	-	-				4	
AF2607 Rock Mechanics and Rock Engineering *Replaces 1L1602. (prior level D)*	7,5	A	30	10	-	2			3		
AF2901 Road- and railway Trach Engineering *Replaces 1L1913. (prior level C)*	7,5	A	33	44	-	-		2			
SG2802 Membranes, Plates and FEM *Replaces 5C1820. (prior level D)*	7,5	D	33	-	-	-				4	33h Workshop
SG2803 Numerical Modelling and Simulation *Replaces 5C1830. (prior level C)*	7,5	C	33	-	-	-		2			33h Workshop

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Civil Engineering and Urban Management

Construction Project Management S3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AE1601 Fluid Mechanics for Architecture and Built Environment *Replaces 1M1301. (prior level C)* *Under bearbetning*	7,5	G	40	-	-	2	1				Workshop 36h
AF1003 Material and Water Chemistry *Replaces 1L1027. (prior level B)*	7,5	G	31	7	-	8	1				
AF1004 Building Materials and Building Physics *Replaces 1L1028. (prior level C)*	7,5	G	40	40	-	5		2			
AF1005 Structural Engineering, Basic Course *Replaces 1L1029. (prior level C)*	7,5	G	33	44	-	-			3		
AF1501 Building Services Engineering, Basic Course *Replaces 1L1501. (prior level C)*	7,5	G	33	44	-	-				4	Computer-lab 3h, study-visit 1h
AF1601 Soil Mechanics and Foundation Engineering *Replaces 1L1601. (prior level C)*	7,5	G	33	-	-	3			3		Workshop 27h

ME1400 Project Management and Communication *Examiner: Örjan Wikfors Replaces 4D1600. (prior level B)*	7,5	G	-	-	66	-				4		
SG1801 Structural Mechanics, Basic Course *Replaces 5C1810. (prior level C)*	7,5	C	33	-	-	-		2			Workshop 33h	

Construction Project Management S4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
ME1401 Industrial Economics and Management for Construction, Basic Course *Replaces 4D1601. (prior level B)*	7,5	G	24	14	9	-		2			6 h Seminars6 h Seminars
ME2402 Construction Management *Replaces 4D1604 (prior level C)*	7,5	A	-	-	66	-			3		
ME2403 Project Communication for Construction *Replaces 4D1605 (prior level C)*	7,5	A	20	12	-	-	1				8h Study-visits, 12h Seminars
ME2408 Project Management for Construction II *Replaces 4D1609. (prior level D). Examiner Örjan Wikforss*	15	A	30	100	-	-			3	4	Project-Work 12h, Seminars.
Conditionally Elective Courses											
ME2401 Leadership for Construction *Replaces 4D1603 (prior level C)*	7,5	A	-	-	66	-		2			

ME2404 Building Informatics *Replaces 4D1606 (prior level D)*	7,5	A	20	12	-	-		2			Study-visits 8h, Seminars 12h
ME2405 Knowledge Management for Construction *Replaces 4D1607 (prior level D)*	7,5	A	20	12	-	-				4	Study-vistits 8h, Seminars 12h
ME2406 Organization of Temporary Operations *Replaces 4D1608. (prior level D)*	7,5	A	44	-	-	-				4	Seminar-exercies 16h
ME2407 Architecture and Design *Replaces 4D1610 (prior level C)*	7,5	A	16	20	-	-	1				Study-visits 8h, Seminars 8-12h

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Civil Engineering and Urban Management

Geomatics Engineering S3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AE1501 Environmental System Analysis *Replaces 1M1303. (prior level C) Under bearbetning*	7,5	G	22	10	-	-				4	Seminars 10h, Project 6h
AG1321 Remote Sensing Technology *Replaces 1E1630. (prior level C)*	7,5	G	20	-	-	36			3		4 h Study visit4 h Study visit
AG1322 Photogrammetry *Replaces 1N1654. (prior levele C)*	9	G	22	40	-	-		2			
AG1323 GIS for the Built Environment *Replaces 1N1654. (prior level B)*	7,5	G	24	40	-	-				4	
AH1811 Geodetic Surveying II **N.B.! This course is identical with, and will be read together with, the first 7,5 credit part of the course AH 1812 (replaces 1N1255)*	10,5	G	22	40	-	-	1				Project 24h

Geodetic Surveying II, 10,5 credits Replaces 1N1251. (prior level C) Under bearbetning											
AI1504 Real Estate Planning *Replaces 1N1412. (prior level C) Under bearbetning*	7,5	G	42	22	-	-		2			
DD1320 Applied Computer Science *Replaces 2D1320.*	6	A	28	14	-	20	1	2			
DD1334 Database Technology *Replaces 2D1334.*	6	C	24	20	-	12			3		
Conditionally Elective Courses											
AH2911 Map Projections *Replaces 1N1254. (prior level C) Under bearbetning*	7,5	A	20	20	-	-	1				

Geomatics Engineering S4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
AG2411 GIS Architecture *Replaces 1N1653. (prior level C)*	7,5	A	24	-	-	48		2			
AG2412 Visualisation Techniques *Replaces 1N1656. (prior level C)*	7,5	A	24	-	-	48	1				
AG2413 Digital Image Processing and Applications *Replaces 1N1655. (prior level D)*	7,5	A	20	-	-	36				4	

AH2912 Reference Systems *Replaces 1N1250. (prior level C)* *Under bearbetning*	7,5	A	30	-	-	40		2				
AH2913 Satellite Positioning with GPS *Replaces 1N1257. (prior level D)* *Under bearbetning*	7,5	A	22	-	-	30			3		36h Field exercises	
Conditionally Elective Courses												
AG2414 Spatial Analysis *replaces 1N1660. (prior level D)*	7,5	A	-	-	14	36			3		10 h Seminars10 h Seminars	
AG2415 Web-GIS *Replaces 1N1666. (prior level D)*	7,5	A	20	-	-	36				4		
AH1814 Engineering Surveying *Replaces 1N1259. (prior level D)* *Under bearbetning*	7,5	G	16	-	-	40				4		
AH2914 Physical Geodesy *Replaces 1N1253. (prior level D)* *Under bearbetning*	7,5	A	28	-	-	36				4		
AH2915 Laser Scanning Technologies *Replaces 1N1258, (prior level C)* *Under bearbetning*	7,5	A	16	-	-	40				4		
AH2916 Integrated Navigation *Replaces 1N1256. (prior level D)* *Under bearbetning*	7,5	A	30	-	-	30	1			4		
Recommended Courses												

AH2918 Satellite Gravimetry *Replaces 1N1260. (prior level D)* *Under bearbetning*	7,5	A	20	-	-	-				4	Project 40h
Elective Courses											
AH2917 Advanced Theory of Errors *Replaces 1N1266. (prior level D)* *Under bearbetning*	7,5	A	20	-	-	40			3		

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Previous academic year (06/07) Next academic year (08/09)

Civil Engineering and Urban Management

Natural Resources Engineering S3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AE1501 Environmental System Analysis *Replaces 1M1303. (prior level C) Under bearbetning*	7,5	G	22	10	-	-				4	Seminars 10h, Project 6h
AE1601 Fluid Mechanics for Architecture and Built Environment *Replaces 1M1301. (prior level C) Under bearbetning*	7,5	G	40	-	-	2	1				Workshop 36h
AE1602 Hydrology *Replaces 1M1302. (tidigare klassning C)*	7,5	G	40	-	-	-				4	Workshop 36h, Exkursion 2days
AF1003 Material and Water Chemistry *Replaces 1L1027. (prior level B)*	7,5	G	31	7	-	8	1				
AF1004 Building Materials and Building Physics *Replaces 1L1028. (prior level C)*	7,5	G	40	40	-	5		2			
AF1005 Structural Engineering, Basic Course *Replaces 1L1029. (prior level C)*	7,5	G	33	44	-	-			3		

AF1601 Soil Mechanics and Foundation Engineering *Replaces 1L1601. (prior level C)*	7,5	G	33	-	-	3			3		Workshop 27h
SG1801 Structural Mechanics, Basic Course *Replaces 5C1810. (prior level C)*	7,5	C	33	-	-	-		2			Workshop 33h

Natural Resources Engineering S4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AE2201 Environmental Dynamics/ Physical Processes *Replaces 1B1292. (prior level C)*	7,5	A	26	24	-	8		2			
AE2501 Environmental Impact Assessment* *Replaces 1B1634. (prior level C)* *Under bearbetning*	7,5	A	30	26	-	-	1				8h Excursion
AE2705 Project course for Natural Resources Engineers *Replaces 1M1403. (prior level D)* *Under bearbetning*	15	A	30	-	-	-			3	4	Workshops, literature-seminars, study visits 3 days
Conditionally Elective Courses											
AE2103 Environmental Aquatic Chemistry *Replaces 1M1402. (prior level C)* *Under bearbetning*	7,5	A	24	20	-	12		2			
AE2301 Water and Waste Handling *Replaces 1B1233. (prior level C)*	7,5	A	40	-	-	-			3		8 h ExkursionTutorials 16h 8 h Exkursion

AE2401 Engineering Geology *Replaces 1M1404. (prior level D)*	7,5	A	24	21	-	-	1				Study-tours- one 3 days and one halfday
AE2503 Environmental Data* *Replaces 1E1610. (prior level D)* *Under bearbetning*	7,5	A	18	2	-	38			3		
AE2601 Hydraulic Engineering *Replaces 1M1401. (prior level D)*	7,5	A	33	-	-	-		2			33 h Workshop, 8 h Study visit33 h Workshop, 8 h Study visit
AE2602 Applied Hydrology *Replaces 1B1133. (prior level A)* *Under bearbetning*	7,5	A	30	30	-	-				4	
AK2023 Risk- and Safety Analys in Building *Replaces 1N1127. (prior level D)*	7,5	A	44	-	-	-	1				

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Civil Engineering and Urban Management

Real Estate Planning and Land Law S3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AG1323 GIS for the Built Environment *Replaces 1N1654. (prior level B)*	7,5	G	24	40	-	-				4	
AH1812 Geodetic Surveying I *N.B.! This course is identical with, and will be read together with, the first 7,5 credit part of the course AH 1811 (replaces 1N1251) Geodetic Surveying II, 10,5 credits Replaces 1N1255 (prior level B) Under bearbetning*	7,5	G	22	40	-	-	1				
AI1108 Investment Analysis *Replaces 1N1307. (prior level C) Under bearbetning*	7,5	G	30	30	-	-	1				

AI1111 Real Estate Valuation *Replaces 1N1311. (prior level C)* *Under bearbetning*	7,5	G	24	36	-	-			3		Field-trips 8h
AI1504 Real Estate Planning *Replaces 1N1412. (prior level C)* *Under bearbetning*	7,5	G	42	22	-	-		2			
AI1506 Land Law *Replaces 1F1470. (prior level C)* *Under bearbetning*	7,5	G	30	32	-	-				4	
AI1509 Real Estate Law *Replaces 1F1442. (prior level C)* *Under bearbetning*	7,5	G	35	30	-	-			3		
AI1510 Introduction to Swedish Law, Basic Course *Replaces 1N1420. (prior level A)* *Under bearbetning*	7,5	G	21	32	-	-		2			Web-based study-support

Real Estate Planning and Land Law S4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
AI2502 Land Development *Replaces 1F1430. (prior level D)* *Under bearbetning*	15	A	-	-	142	-	1	2			
AI2507 Law of Real Estate Formation *Replaces 1F1452. (prior level D)*	7,5	A	30	30	-	-	1				

AI2508 Compulsory Purchase and Compensation *Replaces 1F1427. (prior level D)* *Under bearbetning*	7,5	A	32	32	-	-		2			
Recommended Courses											
AI2503 Law of Planning, Construction and Infrastructure *Replaces 1N1406. (prior level D)* *Under bearbetning*	15	A	-	-	-	-			3	4	
AI2505 Law and economics for land use topics *Replaces 1N1407. (prior level D)* *Under bearbetning*	7,5	A	-	-	-	-				4	
AI2512 Applied Contract Law *Replaces 1N1401. (prior level A)* *Under bearbetning*	7,5	A	20	35	-	-			3		

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Previous academic year (06/07) Next academic year (08/09)

Civil Engineering and Urban Management

Traffic Engineering S3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AG1103 Urban and Traffic Planning, Continuation Course *Replaces 1N1503. (prior level C)* *Under bearbetning*	7,5	G	33	12	-	-		2			32h Project
AG1104 Planning Theory, Basic Course *Replaces 1N1504. (prior level C)*	7,5	G	40	18	-	-			3		Seminars 8h
AG1114 Urban Theory, basic course *Replaces 1N1601. (prior level C)* *Under bearbetning*	7,5	G	16	20	-	-	1				Seminars 12h, Study-visit 12h
AG1323 GIS for the Built Environment *Replaces 1N1654. (prior level B)*	7,5	G	24	40	-	-				4	
AH1021 Urban and Traffic Planning, Basic Course *Replaces 1N1201. (prior level C)*	7,5	G	33	12	-	-	1				Project 32h
AH1022 Traffic and Road Engineering, Basic Course *replaces 1N1202. (prior level C)*	7,5	G	33	21	-	-				4	Project 23h
AH2302 Transport Modelling	7,5	A	-	-	30	26			3		

AI1109 Building and Real Estate Economics *Replaces 1N1309. (prior level C)* *Under bearbetning*	7,5	G	30	30	-	-		2				

Traffic Engineering S4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
AH2172 Transport Data collection and Analysis	7,5	A	-	-	30	30		2			
AH2301 Transport Policy and Evaluation	7,5	A	-	-	30	30		2			
Conditionally Elective Courses											
AF2901 Road- and railway Trach Engineering *Replaces 1L1913. (prior level C)*	7,5	A	33	44	-	-		2			
AG2107 Planning the Sustainable City *Replaces 1N1507. (prior level D)*	7,5	A	18	-	-	-	1				Project 28h , Study visit 8h ,Seminars 8h, Time for project work will be added.
AH2026 Railway Traffic - Market and Planning, Basic Course *Replaces 1N1206. (prior level C)*	7,5	A	33	44	-	-	1				
AH2027 Work Process for Traffic Infrastructure *Replaces 1N1207. (prior level D)*	7,5	A	-	-	-	-					3 months trainee-work. Contact main teacher.
AH2028 Railway Traffic - Market and Planning, Advanced Course	7,5	A	17	60	-	-		2			
AH2029 Railway Signalling System, Basic Course	7,5	A	33	44	-	-		2			
AH2030 Railway Signalling System - Reliability	7,5	A	33	44	-	-			3		
AH2031 Railway Signalling System - Project Planning	7,5	A	33	44	-	-				4	
AH2032 Train Traffic Simulation	7,5	A	17	60	-	-				4	
AH2173 Public Transport	7,5	A	-	-	30	30			3		

AH2204 Advanced Transport Modelling *Replaces 1N1154. (prior level D)*	7,5	A	24	8	-	12				4	Seminar 6h
AH2303 Transport and Sustainable Development	7,5	A	27	-	27	-				4	
AH2304 Advanced Transport Modelling	7,5	A	24	8	-	12				4	Seminar 6h

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Civil Engineering and Urban Management

Urban Planning S3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AG1103 Urban and Traffic Planning, Continuation Course *Replaces 1N1503. (prior level C)* *Under bearbetning*	7,5	G	33	12	-	-		2			32h Project
AG1104 Planning Theory, Basic Course *Replaces 1N1504. (prior level C)*	7,5	G	40	18	-	-			3		Seminars 8h
AG1105 Heritage Management in Urban Planning *Replaces 1N1505. (prior level C)*	7,5	G	30	16	-	-				4	Seminars 8h ,Study visit 8h
AG1114 Urban Theory, basic course *Replaces 1N1601. (prior level C)* *Under bearbetning*	7,5	G	16	20	-	-	1				Seminars 12h, Study-visit 12h
AG1323 GIS for the Built Environment *Replaces 1N1654. (prior level B)*	7,5	G	24	40	-	-				4	
AH1021 Urban and Traffic Planning, Basic Course *Replaces 1N1201. (prior level C)*	7,5	G	33	12	-	-	1				Project 32h
AH2302 Transport Modelling	7,5	A	-	-	30	26			3		

AI1109 Building and Real Estate Economics *Replaces 1N1309. (prior level C)* *Under bearbetning*	7,5	G	30	30	-	-		2			

Urban Planning S4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AG2106 Urbanism Worldwide *Replaces 1N1506. (prior level C)*	7,5	A	56	-	-	-	1				Seminars 24h, Project 12 h
AG2108 Urban Theory, Advanced Course *Replaces 1N1508. (prior level D)*	7,5	A	12	-	-	-		2			Seminars 12h, Excursion 8h
AG2109 Planning Theory, Advanced Course *New course that replaces 1H1171 Urban Governance Replaces 1N1509. (prior level D)* *Under bearbetning*	7,5	A	-	-	20	-			3		Seminars 20h, Additional time for Project
AG2171 Futures Studies and Forecasts *Replaces 1H1172. (prior level D)* *Under bearbetning*	7,5	A	50	-	-	-		2			Seminars 10h, Workshops 6h
Conditionally Elective Courses											
AG2110 Urban Planning Project *Replaces 1N1510. (prior level D)* *Under bearbetning*	15	A	45	-	-	-				4	15h Seminars, 10h Excursion, Project-work, 20h Tutorial

AG2112 Urban Planning Project *Replaces 1N1512. (prior level D)* *Under bearbetning*	15	A	45	-	-	-				4	15h Seminars, 10h Excursion, Project-work, 20h Tutorial
Recommended Courses											
AG2107 Planning the Sustainable City *Replaces 1N1507. (prior level D)*	7,5	A	18	-	-	-	1				Project 28h , Study visit 8h ,Seminars 8h, Time for project work will be added.
AG2141 Urban Infrastructure *Replaces 1H1141. (prior level D)* *Under bearbetning*	7,5	A	36	-	-	-			3		12h Seminars, 4h Excursion, 20h Project

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Computer Science

Computer Science D1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
IE1201 Digital Electronics *Replaces 2B1545.* *Under bearbetning*	6	A	-	-	-	-					

Previous academic year (06/07)

Next academic year (08/09)

Computer Science

Computer Science D2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1352 Algorithms, Data Structures and Complexity *Replaces 2D1352.*	9	C	44	24	-	18			3	4	
DD1361 Programming Paradigms *Replaces 2D1361.*	7,5	C	42	-	-	24	1	2			
DN1241 Numerical Methods, Basic Course III *Replaces 2D1241.*	7,5	B	24	14	-	18	1	2			
IS1200 Computer Hardware Engineering *Under bearbetning*	7,5	B	20	20	-	12		2	3		
ME1010 Organization and Knowledge-Intensive Work *Replaces 4D1097. Examiner: Matti Kaulio. Under bearbetning*	6	A	28	4	-	10				4	
SF1601 Calculus I, part 2 *Replaces 5B1105.*	7,5	A	50	25	-	-	1	2			
SF1631 Discrete Mathematics *Replaces 5B1204.*	12	A	60	30	-	-			3	4	
Conditionally Elective Courses											
SH1007 Physics of Microcosmos *Replaces 5A1242.*	6	A	24	18	-	-		2			
SK1130 Optical Communication and Imaging	6	A	24	18	-	10		2			

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Computer Science

Computer Science D3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1363 Software Engineering *Replaces 2D1363.*	12	D	40	-	-	-		2	3	4	
DD1364 Database Technology *Replaces 2D1364.*	7,5	C	36	24	-	8	1				
SF1906 Mathematical Statistics, Basic Course *Replaces 5B1506.*	9	A	36	48	-	-	1	2			
Conditionally Elective Courses											
AK2007 Computer- and Information Ethics *Replaces 1N1108. (prior level C)*	7,5	A	20	10	-	-			3		
DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1				
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-	1				Seminars 5 h Project work Study visit
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-		2			Project work Seminars 5 h Study visit
SF1637 Differential Equations and Transforms III *Replaces 5B1212.*	6	C	40	20	-	-		2	3		
SF1811 Optimization for F *Replaces 5B1712.*	6	C	28	16	-	6			3		

SF1851 Optimization for E *Replaces 5B1752.*	6	C	28	16	-	8	1				
SF2715 Applied Combinatorics *Replaces 5B1305. Not given 07/08.*	6	C	-	-	42	-					
SG1102 Mechanics, Smaller Course *Replaces 5C1102.*	6	A	30	15	-	-			3		
SG1102 Mechanics, Smaller Course *Replaces 5C1102.*	6	A	30	15	-	-				4	
SG1102 Mechanics, Smaller Course *Replaces 5C1102.*	6	A	30	15	-	-	1				
Elective Courses											
DD2380 Artificial Intelligence *Replaces 2D1380.*	6	C	24	12	-	30	1				
DD2387 Program System Construction Using C++ *Replaces 2D1387.*	6	C	18	6	-	32	1	2			
DD2390 Internet Programming *Replaces 2D1390.*	6	C	18	-	-	32		2			
DD2395 Computer Security *Replaces 2D1395.*	6	C	28	6	-	16	1				Seminars 2 h in per 2
DD2422 Image Analysis and Computer Vision *Replaces 2D1422.*	6	C	30	2	-	20			3		
DD2439 Artificial Intelligence and Multi-agent Systems, Project Course* *Replaces 2D1439. Not given 07/08. The course is given if there are at least 16 students. The number of students is limited.*	21	D	18	-	-	8					8 h Seminars8 h Seminars
DD2458 Problem Solving and Programming under Pressure* *Replaces 2D1458.*	9	C	26	-	-	32	1	2			

DD2486 Systems Programming and Operating Systems *Replaces 2D1486.*	7,5	D	24	-	-	24		2			
DH1378 Text and Image Processing *Replaces 2D1378. Not given 07/08. The course is given every second year.*	6	A	28	18	-	-					
DH2418 Language Engineering *Replaces 2D1418.*	6	D	40	-	-	12	1				
DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1				
DM1570 Graphic Arts Technology I	7	A	24	-	-	12		2			
IC1004 Cognitive Psychology *Replaces 2I1130* *Under bearbetning*	6	A	30	12	-	-	1				
ID1007 3D Graphics for Computer Game Development *Replaces 2I1186* *Under bearbetning*	7,5	B	-	-	-	-		2			
ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3		
ID2007 Processes for IT Production *Replaces 2I1420.* *Under bearbetning*	7,5	D	21	-	-	-	1				6 h Seminars6 h Seminars
ID2009 Artificial Intelligence: Principles and Techniques *Replaces 2I1715* *Under bearbetning*	7,5	C	-	-	-	-				4	
ID2010 Programming of Interactive Systems *Under bearbetning*	7,5	D	26	6	-	50		2	3		

ID2013 Internet Programming I *Replaces* *2I1801* *Under bearbetning*	7,5	D	6	-	-	160	1				
ID2014 Internet Programming II *Replaces* *2I1802* *Under bearbetning*	7,5	D	6	-	-	160		2			
IV1010 Introduction to Computer Game Development *Replaces* *2I1184* *Under bearbetning*	7,5	B	-	-	-	-	1				
IV2001 Internet and ERP Systems *Replaces* *2I1053* *Under bearbetning*	7,5	C	12	-	-	-	1				Project work 80 h
IV2002 Internet Search and Monitoring Techniques *Replaces* *2I1068* *Under bearbetning*	7,5	C	-	-	16	-	1				6 assignments
IV2007 Enterprise Computing and ERP Systems *Replaces* *2I1228* *Under bearbetning*	7,5	D	14	12	-	60	1				80h
IV2013 Relational Database Design *Replaces* *2I1417* *Under bearbetning*	7,5	C	12	12	9	8		2			
IV2029 Global IT-management *Replaces* *2I2121*	7,5	D	20	-	-	-		2			15 h Projektuppgift15 h Projektuppgift

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Computer Science

Computer Science D4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
DA2190 General Cultural Knowledge *Replaces 2D1190.*	6	A	30	-	-	10			3	4	10 h Seminars10 h Seminars
DD2257 Visualization *Replaces 2D1257.*	6	C	16	-	-	14			3		
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
DD2380 Artificial Intelligence *Replaces 2D1380.*	6	C	24	12	-	30	1				
DD2381 Industrial Applications of Artificial Intelligence *Replaces 2D1381.*	6	C	36	-	-	-	1	2			

DD2387 Program System Construction Using C++ *Replaces 2D1387.*	6	C	18	6	-	32	1	2			
DD2388 Program System Construction using .NET Framework* *Replaces 2D1388.*	7,5	C	24	-	-	32			3	4	
DD2390 Internet Programming *Replaces 2D1390.*	6	C	18	-	-	32		2			
DD2392 Protocols and Principles of the Internet *Replaces 2D1392.*	7,5	C	20	12	-	20			3		
DD2395 Computer Security *Replaces 2D1395.*	6	C	28	6	-	16	1				Seminars 2 h in per 2
DD2422 Image Analysis and Computer Vision *Replaces 2D1422.*	6	C	30	2	-	20			3		
DD2426 Robotics and Autonomous Systems* *Replaces 2D1426.*	7,5	D	16	-	-	60				4	
DD2427 Image Based Recognition and Classification *Replaces 2D1427.*	6	D	26	-	-	8				4	
DD2431 Machine Learning *Replaces 2D1431.*	6	C	26	-	-	20		2			
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3		

DD2433 Artificial Neural Networks, Advanced Course *Replaces 2D1433.*	6	D	16	-	-	8				4	4 h Seminars4 h Seminars
DD2435 Mathematical Modelling of Biological Systems *Replaces 2D1435.*	9	D	26	-	-	20	1	2			
DD2436 Modelling of Processes in Cell Biology *Replaces 2D1436.*	6	D	16	-	-	16	1				
DD2439 Artificial Intelligence and Multi-agent Systems, Project Course* *Replaces 2D1439. Not given 07/08. The course is given if there are at least 16 students. The number of students is limited.*	21	D	18	-	-	8					8 h Seminars8 h Seminars
DD2440 Advanced Algorithms *Replaces 2D1440.*	6	D	30	-	-	-		2			

DD2441 Seminars on Theoretical Computer Science *Replaces 2D1441. The course is given every second year and will not be given in 07/08.*	6	D	30	-	-	-					
DD2446 Complexity Theory *Replaces 2D1446. The course is given every second year and will be given in 07/08.*	6	D	30	-	-	-				4	
DD2447 Statistical Methods in Applied Computer Science *Replaces 2D1447.*	6	D	18	6	-	-			3	4	
DD2449 Foundations of Cryptography *Replaces 2D1449.*	6	D	30	-	-	-			3		
DD2450 Algorithmic Bioinformatics *Replaces 2D1450.*	6	D	36	-	-	-				4	
DD2452 Formal Methods *Replaces 2D1452.*	7,5	D	20	14	-	12			3		
DD2454 Semantics for Programming Languages *Replaces 2D1454.*	6	D	20	10	-	-		2			

DD2455 Theoretical Foundations of Object-Orientation *Replaces 2D1455.*	7,5	D	28	4	-	10				4	
DD2458 Problem Solving and Programming under Pressure* *Replaces 2D1458.*	9	C	26	-	-	32	1	2			
DD2464 Bigger Advanced, Individual Course in Computer Science *Replaces 2D1464. The course can be studied any time during the semesters.*	9	D	-	-	-	-	1	2	3	4	
DD2465 Advanced, Individual Course in Computer Science *Replaces 2D1465. The course can be studied any time during the semesters.*	6	D	-	-	-	-	1	2	3	4	
DD2469 Database Theory *Replaces 2D1469. The course is given every second year. It will be given 07/08.*	6	D	31	17	-	-	1				

DD2471 Modern Database Systems and Their Applications *Replaces 2D1471.*	7,5	D	26	8	-	-				4	
DD2472 Database Systems for Modern Applications *Given every second year. Not given 07/08. Replaces 2D1472.*	6	D	14	-	-	10					
DD2483 Development of Web Applications with Enterprise Java *Replaces 2D1483.*	6	D	16	-	-	32			3		
DD2486 Systems Programming and Operating Systems *Replaces 2D1486.*	7,5	D	24	-	-	24		2			
DD2488 Compiler Construction *The course will not be given 07/08. Replaces 2D1488*	9	D	2	-	-	-					
DD2490 IP Routing in Simple Computer Networks *Replaces 2D1490.*	7,5	D	22	10	-	32				4	
DD2491 IP Routing in Internet and Other Complex Networks *Replaces 2D1491.*	7,5	D	22	8	-	32	1				

DD2492 Net Design, Project Course *Replaces 2D1492. The course is given every second year. Not given 07/08.*	9	D	12	4	-	8					
DD2493 Seminars on Grid Computing and Internetworking *Replaces 2D1493. The course is given every second year. Not given 07/08.*	6	D	20	-	-	12					
DH1600 Communication in Engineering Sciences *Replaces 2D1600.*	7,5	A	8	30	-	10	1	2			
DH2408 Evaluation Methods in Human-Computer Interaction *Replaces 2D1408. Given if there are at least 15 participants.*	6	D	16	10	-	-			3		
DH2413 Advanced Graphics and Interaction *Replaces 2D1413.*	9	D	46	-	-	12	1	2			

DH2416 Computer Support for Cooperative Work *Replaces 2D1416. Given if there are at least 15 participants.*	9	D	24	12	-	2			3	4	
DH2418 Language Engineering *Replaces 2D1418.*	6	D	40	-	-	12	1				
DH2603 Technologies that Change Time, Space and Reality *Replaces 2D1603. Given if there are at least 15 participants, otherwise it is given as an individual reading course..*	7,5	B	34	27	-	-	1	2			
DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1				
DH2622 Human-Computer Interaction, Advanced Course with Prototyping *Replaces 2D1622.*	9	C	18	5	-	8		2			
DH2640 Graphics and Interaction Programming *Replaces 2D1640.*	9	C	42	8	-	42			3	4	

DH2650 Computer Game Design* *Replaces 2D1650. Limited number of participants.*	6	D	20	8	-	3		2			
DH2655 Cooperative IT-design *Replaces 2D1655.*	9	D	28	10	-	8			3	4	
DM1523 Digital Video Production *Replaces 2D1523.*	7,5	B	19	8	-	26			3		
DM1570 Graphic Arts Technology I	7	A	24	-	-	12		2			
DN2220 Applied Numerical Methods I *Replaces 2D1220.*	6	C	36	-	-	14			3	4	
DN2258 Introduction to High Performance Computing* *Replaces 2D1258. Please note that the course starts in August. Will not be on the central schedule.*	7,5	C	40	-	-	40	1				
DN2266 Mathematical Models, Analysis and Simulation Part 1 *Replaces 2D1266.*	7,5	C	48	-	-	12	1	2			

DT2212 Music Acoustics *Replaces 2F1212. Given every second year. Not given 07/08.*	7,5	D	-	-	48	8					
DT2213 Musical Communication and Music Technology *Replaces 2F1213.*	7,5	D	28	8	-	12				4	Project assignment 30h
EH2010 Management of Technology *Replaces 2C1224*	7,5	D	32	20	-	-	1				
EL1820 Modelling of Dynamical Systems *Replaces 2E1282*	6	A	24	24	-	12				4	
EL2450 Hybrid and Embedded Control Systems *Replaces 2E1245*	7,5	A	28	28	-	8			3		
EL2520 Control Theory and Practice, Advanced Course *Replaces 2E1252*	7,5	D	28	26	-	10			3		
EL2620 Nonlinear Control *Replaces 2E1262*	7,5	A	28	28	-	8		2			
EN2100 Sound Perception *Replaces 2E1390.*	7,5	A	24	12	-	4	1				20 h Projektuppgift20 h Projektuppgift

EP1100 Data Communications and Computer Networks *Replaces 2E1616* *Given at Campus Valhallavägen* *Under bearbetning*	7,5	G	24	18	-	4			3		
EP2120 Internetworking *Replaces 2E1605* *Under bearbetning*	7,5	A	20	20	-	-			3		
EP2200 Queuing Theory and Teletraffic Systems *The course replaces 2E1618.*	7,5	C	24	24	-	-		2			
EP2210 Performance Analysis of Communication Networks *The course replaces 2E1624.* *Under bearbetning*	7,5	A	-	-	24	-	1				30 h Projektuppgift30 h Projektuppgift
EP2300 Management of Networks and Networked Systems *The course replaces 2E1632.* *Under bearbetning*	7,5	A	20	-	-	20				4	Project
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		

EQ2300 Digital Signal Processing *Replaces 2E1340*	7,5	A	26	16	-	8		2			
HL1000 Quality and Regulatory Aspects on Medical Devices	3	D	20	-	-	-			3	4	
HL2002 Medical Instrumentation and Signal Processing*	6	D	30	-	-	6			3	4	
HL2003 Radiation Physics and Biology	6	D	36	-	-	-				4	
HL2004 Engineering in Intensive Care and Anesthesia*	6	D	12	-	-	-			3	4	30 + 10h (field work with oral and written report)
HL2005 Implants and Biomaterials*	6	D	25	-	-	-			3	4	
HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1				
IC1003 Cognitive Science *Replaces 2I1095. Kursen utgår och ersätts av IC1008 f o m lää 07/08* *Under bearbetning*	6	C	25	-	-	-			3		Course assignment work 120
IC1004 Cognitive Psychology *Replaces 2I1130* *Under bearbetning*	6	A	30	12	-	-	1				
IC1008 Cognitive Science *Replaces IC1003. The course not given 07/08.* *Under bearbetning*	7,5	C	25	-	-	-			3		Course assignment work 120

ID1011 Introduction to Software Engineering *Replaces* *2I1901* *Under bearbetning*	7,5	C	15	-	-	-			3		Seminars 6 hours, project 120 hours
ID1215 Compilers and Execution Environments *Replaces* *2G1533* *Under bearbetning*	7,5	C	28	8	-	4		2			
ID1217 Concurrent Programming *Replaces* *2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3		
ID2000 Machine Learning *Replaces* *2I1234* *Under bearbetning*	6	D	36	-	-	-				4	
ID2008 Software Engineering and Security Architecture *Replaces* *2I1504* *Under bearbetning*	7,5	D	18	-	-	18			3		
ID2009 Artificial Intelligence: Principles and Techniques *Replaces* *2I1715* *Under bearbetning*	7,5	C	-	-	-	-				4	

ID2012 Ubiquitous Computing *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. Replaces 2I1721* *Under bearbetning*	7,5	D	29	2	2	-			3	4	4 h Seminars4 h Seminars
ID2013 Internet Programming I *Replaces 2I1801* *Under bearbetning*	7,5	D	6	-	-	160	1				
ID2014 Internet Programming II *Replaces 2I1802* *Under bearbetning*	7,5	D	6	-	-	160		2			
ID2015 Internet Programming III *Replaces 2I1803* *Under bearbetning*	7,5	D	6	-	-	160			3		
ID2201 Distributed Systems, Basic Course *Replaces 2G1509*	7,5	D	24	-	-	-	1				Project work 12 hours

ID2203 Distributed Systems, Advanced Course *Replaces* *2G1513* *Under bearbetning*	7,5	D	24	-	-	-			3		
ID2206 Operating Systems *Replaces* *2G1520* *Under bearbetning*	7,5	C	28	12	-	-				4	
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2			
ID2207 Modern Methods in Software Engineering *Replaces* *2G1522* *Under bearbetning*	7,5	D	20	10	-	-	1				
ID2208 Programming Web-Services *Replaces* *2G1523* *Under bearbetning*	7,5	D	20	10	-	-			3		
ID2209 Distributed Artificial Intelligence and Intelligent Agents *Replaces* *2G1524* *Under bearbetning*	7,5	D	24	10	-	-		2			
ID2212 Network Programming with Java *Under bearbetning*	7,5	D	22	10	-	10		2			
ID2213 Logic Programming *Replaces* *2G1530* *Under bearbetning*	7,5	D	16	12	-	-	1				Individual work on project and group presentation 4h

ID2216 Developing Mobile Applications *Replaces 2G1722* *Under bearbetning*	7,5	D	20	-	-	10			3		
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given at Campus Valhallavägen* *Under bearbetning*	6	C	20	18	-	10				4	Assignments
IK2206 Internet Security and Privacy *Replaces 2G1704.* *Under bearbetning*	7,5	D	20	10	-	-		2			assigned paper
IK2207 Communication System Design *Replaces 2G1711* *Under bearbetning*	18	D	-	-	-	-			3	4	project course.
IK2208 Communication System Design *Replaces 2G1712* *Under bearbetning*	24	D	-	-	-	-			3	4	Project. Elective for students spending year one at KTH.

IK2209 Communication System Design *Replaces 2G1713* *Under bearbetning*	30	D	-	-	-	-			3	4	Project
IK2210 GSM Network and Services *Replaces 2G1723. The course not given 07/08.* *Under bearbetning*	7,5	D	24	-	-	-				4	Laboratory 5 sessions
IK2213 Network Services and Internet-based Applications *Replaces EP2150.* *Under bearbetning*	7,5	D	10	16	-	-				4	Group projects.
IK2554 Practical Voice Over IP (VoIP) *Replaces 2G1325* *Under bearbetning*	7,5	D	10	-	-	-				4	Assigned paper 50h
IK2555 Wireless and Mobile Network Architectures *Replaces 2G1330* *Under bearbetning*	7,5	D	10	-	-	-			3		Assigned paper 50h
IS1202 Computer Systems Architecture *Replaces 2G1534* *Under bearbetning*	7,5	C	16	16	-	16				4	Homework 16h

IS2206 Research Methods in Computer Systems Engineering *Replaces* *2G1535* *Under bearbetning*	7,5	D	8	-	-	-			3		
IV1200 System Modelling and Simulation *Replaces* *2G1531* *Under bearbetning*	7,5	C	20	16	-	10	1				12 h Projektuppgift12 h Projektuppgift
IV2000 Security Management *Replaces* *2I1050* *Under bearbetning*	7,5	D	27	-	-	-				4	
IV2001 Internet and ERP Systems *Replaces* *2I1053* *Under bearbetning*	7,5	C	12	-	-	-	1				Project work 80 h
IV2002 Internet Search and Monitoring Techniques *Replaces* *2I1068* *Under bearbetning*	7,5	C	-	-	16	-	1				6 assignments
IV2007 Enterprise Computing and ERP Systems *Replaces* *2I1228* *Under bearbetning*	7,5	D	14	12	-	60	1				80h
IV2008 Models and Languages for Object and Web Databases *Replaces* *2I1242* *Under bearbetning*	7,5	D	21	40	-	75			3		Studying/Practice 60h

IV2009 Model-driven Development of Components *Under bearbetning*	7,5	D	20	35	-	110			3	4	
IV2010 Mobile Business *Replaces 2I1406* *Under bearbetning*	7,5	D	18	12	-	-			3	4	Project work 80 h
IV2016 Project and Power Games *Replaces 2I1421* *Under bearbetning*	7,5	D	27	27	-	-				4	
IV2020 Network Security *Replaces 2I1503* *Under bearbetning*	7,5	D	18	-	-	18		2			
IV2021 Legal Aspects of Information Security *Replaces 2I1505* *Under bearbetning*	7,5	D	22	-	-	12			3		
IV2022 Security Management *Replaces 2I1506* *Under bearbetning*	15	D	24	-	-	6				4	Seminars 18 hours
IV2023 Value Based Risk Management *Replaces 2I1511. The course is not given HT07.* *Under bearbetning*	7,5	D	12	12	-	-		2			

LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-		2			Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to
LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-			3		Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to
LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-				4	Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to
LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-	1				Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to
MJ2611 Introduction Industrial Ecology *Replaces 3C1336*	6	C	12	-	-	-	1				Seminars 8 h Project Study visit 4 h
MJ2651 Ecology, Advanced Course *Replaces 3C1356*	6	C	21	4	-	-			3	4	Field work 8h
MJ2691 Technology and Sustainable Development *Replaces 3C1396*	6	C	8	9	-	-		2			
SF2700 Analysis, Basic Course *Replaces 5B1303.*	9	C	-	-	66	-			3	4	

SF2701 Financial Mathematics, Basic Course *Replaces 5B1306.* *Under bearbetning*	7,5	C	-	-	54	-				4	
SF2702 Wavelets *Replaces 5B1308.* *Given 07/08.* *Under bearbetning*	6	C	-	-	24	-	1	2			
SF2703 Algebra, Basic Course *Replaces 5B1309.* *Under bearbetning*	6	C	-	-	42	-			3		
SF2715 Applied Combinatorics *Replaces 5B1305.* *Not given 07/08.*	6	C	-	-	42	-					
SH2310 Radiation Detectors and Medical Imaging Systems *Replaces 5A1414.*	7,5	D	24	-	-	15			3	4	6 h Seminars, 20 h Study visit6 h Seminars, 20 h Study visit

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Computer Science

Computer Science D5

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
DD221X Master's Project in Computer Science *Replaces 2D1021.*	30	D	-	-	-	-					
DH224X Master's Project in Human - Computer Interaction *Replaces 2D1024.*	30	D	-	-	-	-					
DN220X Master's Project in Numerical Analysis *Replaces 2D1020.*	30	D	-	-	-	-					

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Autonomous Systems D3

At least 24 university credits of the recommended courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Recommended Courses											
DD2422 Image Analysis and Computer Vision *Replaces 2D1422.*	6	C	30	2	-	20			3		
DD2426 Robotics and Autonomous Systems* *Replaces 2D1426.*	7,5	D	16	-	-	60				4	
DD2427 Image Based Recognition and Classification *Replaces 2D1427.*	6	D	26	-	-	8				4	
DD2428 Geometric Computing and Visualization *Replaces 2D1428. Not given 07/08.*	6	D	26	-	-	8					
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3		
DD2433 Artificial Neural Networks, Advanced Course *Replaces 2D1433.*	6	D	16	-	-	8				4	4 h Seminars4 h Seminars
Elective Courses											
DN2220 Applied Numerical Methods I *Replaces 2D1220.*	6	C	36	-	-	14			3	4	
EQ1200 Signal Theory *Replaces 2E1423 Under bearbetning*	7,5	A	24	22	-	10			3		

ID1217 Concurrent Programming *Replaces* *2G1915* *Under* *bearbetning*	7,5	C	36	-	-	24			3		
ID2204 Constraint Programming *Replaces* *2G1515* *Under* *bearbetning*	7,5	D	24	-	-	-				4	Project work 10 hours

*The course has limited participation

Autonomous Systems D4

At least 24 university credits of the recommended courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Recommended Courses											
DD2380 Artificial Intelligence *Replaces* *2D1380.*	6	C	24	12	-	30	1				
DD2422 Image Analysis and Computer Vision *Replaces* *2D1422.*	6	C	30	2	-	20			3		
DD2426 Robotics and Autonomous Systems* *Replaces* *2D1426.*	7,5	D	16	-	-	60				4	
DD2427 Image Based Recognition and Classification *Replaces* *2D1427.*	6	D	26	-	-	8				4	
DD2428 Geometric Computing and Visualization *Replaces* *2D1428.* *Not given* *07/08.*	6	D	26	-	-	8					
DD2431 Machine Learning *Replaces* *2D1431.*	6	C	26	-	-	20		2			
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces* *2D1432.*	6	D	26	-	-	16			3		
DD2433 Artificial Neural Networks, Advanced Course *Replaces* *2D1433.*	6	D	16	-	-	8				4	4 h Seminars4 h Seminars
Elective Courses											
DD2381 Industrial Applications of Artificial Intelligence *Replaces* *2D1381.*	6	C	36	-	-	-	1	2			

DD2387 Program System Construction Using C++ *Replaces 2D1387.*	6	C	18	6	-	32	1	2				
DD2439 Artificial Intelligence and Multi-agent Systems, Project Course* *Replaces 2D1439. Not given 07/08. The course is given if there are at least 16 students. The number of students is limited.*	21	D	18	-	-	8					8 h Seminars8 h Seminars	
DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1					
DN2220 Applied Numerical Methods I *Replaces 2D1220.*	6	C	36	-	-	14			3	4		
EL1110 Automatic Control, General Course *Replaces 2E1211*	6	C	24	26	-	12		2				
EN2200 Pattern Recognition *Replaces 2E1395.*	6	A	24	24	-	-	1				24 h Projektuppgift24 h Projektuppgift	
EQ1200 Signal Theory *Replaces 2E1423 Under bearbetning*	7,5	A	24	22	-	10			3			
IC1004 Cognitive Psychology *Replaces 2I1130 Under bearbetning*	6	A	30	12	-	-	1					
ID1217 Concurrent Programming *Replaces 2G1915 Under bearbetning*	7,5	C	36	-	-	24			3			
ID2204 Constraint Programming *Replaces 2G1515 Under bearbetning*	7,5	D	24	-	-	-				4	Project work 10 hours	

ID2209 Distributed Artificial Intelligence and Intelligent Agents *Replaces 2G1524* *Under bearbetning*	7,5	D	24	10	-	-		2			
ID2213 Logic Programming *Replaces 2G1530* *Under bearbetning*	7,5	D	16	12	-	-	1				Individual work on project and group presentation 4h
SF1851 Optimization for E *Replaces 5B1752.*	6	C	28	16	-	8	1				

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Biomedical Engineering D3

At least 24 cr of the elective courses have to be studied, and of those at most one of the two alternatives 2D1266/DN2266 or 7E1101/HL1007+7E1121/HL1003 may be included. At least 15 cr of the compulsory courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
HL1009 Neuroscience*	7,5	C	50	-	-	20				4	

*The course has limited participation

Biomedical Engineering D4

At least 24 cr of the elective courses have to be studied, and of those at most one of the two alternatives 2D1266/DN2266 or 7E1101/HL1007+7E1121/HL1003 may be included. At least 15 cr of the compulsory courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars
Elective Courses											
DD2422 Image Analysis and Computer Vision *Replaces 2D1422.*	6	C	30	2	-	20			3		
DD2431 Machine Learning *Replaces 2D1431.*	6	C	26	-	-	20		2			
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3		
DD2433 Artificial Neural Networks, Advanced Course *Replaces 2D1433.*	6	D	16	-	-	8				4	4 h Seminars4 h Seminars

DD2435 Mathematical Modelling of Biological Systems *Replaces 2D1435.*	9	D	26	-	-	20	1	2			
DD2436 Modelling of Processes in Cell Biology *Replaces 2D1436.*	6	D	16	-	-	16	1				
DD2447 Statistical Methods in Applied Computer Science *Replaces 2D1447.*	6	D	18	6	-	-			3	4	
DD2450 Algorithmic Bioinformatics *Replaces 2D1450.*	6	D	36	-	-	-				4	
DN2266 Mathematical Models, Analysis and Simulation Part 1 *Replaces 2D1266.*	7,5	C	48	-	-	12	1	2			
EN2100 Sound Perception *Replaces 2E1390.*	7,5	A	24	12	-	4	1				20 h Projektuppgift20 h Projektuppgift
EN2200 Pattern Recognition *Replaces 2E1395.*	6	A	24	24	-	-	1				24 h Projektuppgift24 h Projektuppgift
HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1				

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Communication Systems D3

At least 26 university credits of the recommended courses have to be studied. One of the courses IK2200, IK2207, IK2208 or IK2209 has to be studied during the fourth year.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EP1100 Data Communications and Computer Networks *Replaces 2E1616* *Given at Campus Valhallavägen* *Under bearbetning*	7,5	G	24	18	-	4			3		
ID2206 Operating Systems *Replaces 2G1520* *Under bearbetning*	7,5	C	28	12	-	-				4	

Communication Systems D4

At least 26 university credits of the recommended courses have to be studied. One of the courses IK2200, IK2207, IK2208 or IK2209 has to be studied during the fourth year.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EP2120 Internetworking *Replaces 2E1605* *Under bearbetning*	7,5	A	20	20	-	-			3		
IK2207 Communication System Design *Replaces 2G1711* *Under bearbetning*	18	D	-	-	-	-			3	4	project course.
IK2208 Communication System Design *Replaces 2G1712* *Under bearbetning*	24	D	-	-	-	-			3	4	Project. Elective for students spending year one at KTH.

IK2209 Communication System Design *Replaces 2G1713* *Under bearbetning*	30	D	-	-	-	-			3	4	Project
Recommended Courses											
DD2452 Formal Methods *Replaces 2D1452.*	7,5	D	20	14	-	12			3		
EP2200 Queuing Theory and Teletraffic Systems *The course replaces 2E1618.*	7,5	C	24	24	-	-		2			
EP2210 Performance Analysis of Communication Networks *The course replaces 2E1624.* *Under bearbetning*	7,5	A	-	-	24	-	1				30 h Projektuppgift30 h Projektuppgift
EP2300 Management of Networks and Networked Systems *The course replaces 2E1632.* *Under bearbetning*	7,5	A	20	-	-	20				4	Project
ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3		
ID2216 Developing Mobile Applications *Replaces 2G1722* *Under bearbetning*	7,5	D	20	-	-	10			3		
IK2206 Internet Security and Privacy *Replaces 2G1704.* *Under bearbetning*	7,5	D	20	10	-	-		2			assigned paper
IK2210 GSM Network and Services *Replaces 2G1723. The course not given 07/08.* *Under bearbetning*	7,5	D	24	-	-	-				4	Laboratory 5 sessions
IK2213 Network Services and Internet-based Applications *Replaces EP2150.* *Under bearbetning*	7,5	D	10	16	-	-				4	Group projects.

IK2554 Practical Voice Over IP (VoIP) *Replaces* *2G1325* *Under bearbetning*	7,5	D	10	-	-	-				4	Assigned paper 50h
IK2555 Wireless and Mobile Network Architectures *Replaces* *2G1330* *Under bearbetning*	7,5	D	10	-	-	-			3		Assigned paper 50h
IS1202 Computer Systems Architecture *Replaces* *2G1534* *Under bearbetning*	7,5	C	16	16	-	16				4	Homework 16h

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Computer Security D3

At least 16,5 university credits among the elective have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD2392 Protocols and Principles of the Internet *Replaces 2D1392.*	7,5	C	20	12	-	20			3		
Elective Courses											
DD2441 Seminars on Theoretical Computer Science *Replaces 2D1441. The course is given every second year and will not be given in 07/08.*	6	D	30	-	-	-					
DD2449 Foundations of Cryptography *Replaces 2D1449.*	6	D	30	-	-	-			3		
DD2452 Formal Methods *Replaces 2D1452.*	7,5	D	20	14	-	12			3		
DD2453 Advanced Formal Methods *Replaces 2D1453. The course is given every second year. Not given 07/08.*	7,5	D	12	8	-	-					

DD2490 IP Routing in Simple Computer Networks *Replaces 2D1490.*	7,5	D	22	10	-	32				4	
IV2021 Legal Aspects of Information Security *Replaces 2I1505* *Under bearbetning*	7,5	D	22	-	-	12			3		

Computer Security D4

At least 16,5 university credits among the elective have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
DD2395 Computer Security *Replaces 2D1395.*	6	C	28	6	-	16	1				Seminars 2 h in per 2
DD2495 Network Security	6	D	18	14	-	12			3		
Elective Courses											
DD2387 Program System Construction Using C++ *Replaces 2D1387.*	6	C	18	6	-	32	1	2			
DD2440 Advanced Algorithms *Replaces 2D1440.*	6	D	30	-	-	-		2			
DD2441 Seminars on Theoretical Computer Science *Replaces 2D1441. The course is given every second year and will not be given in 07/08.*	6	D	30	-	-	-					
DD2449 Foundations of Cryptography *Replaces 2D1449.*	6	D	30	-	-	-			3		
DD2452 Formal Methods *Replaces 2D1452.*	7,5	D	20	14	-	12			3		

DD2453 Advanced Formal Methods *Replaces 2D1453. The course is given every second year. Not given 07/08.*	7,5	D	12	8	-	-					
DD2454 Semantics for Programming Languages *Replaces 2D1454.*	6	D	20	10	-	-		2			
DD2458 Problem Solving and Programming under Pressure* *Replaces 2D1458.*	9	C	26	-	-	32	1	2			
DD2486 Systems Programming and Operating Systems *Replaces 2D1486.*	7,5	D	24	-	-	24		2			
DD2490 IP Routing in Simple Computer Networks *Replaces 2D1490.*	7,5	D	22	10	-	32				4	
DD2491 IP Routing in Internet and Other Complex Networks *Replaces 2D1491.*	7,5	D	22	8	-	32	1				
ID2002 Value-Based Software Engineering *Replaces 2I1259. The course not given 07/08. Under bearbetning*	7,5	D	28	-	-	-				4	Seminar 14 h
IV2021 Legal Aspects of Information Security *Replaces 2I1505 Under bearbetning*	7,5	D	22	-	-	12			3		

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Computer Systems Engineering D3

At least 45 university credits have to be studied and of these 22,5 cr have to of the *-marked courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3		
ID2206 Operating Systems *Replaces 2G1520* *Under bearbetning*	7,5	C	28	12	-	-				4	

Computer Systems Engineering D4

At least 45 university credits have to be studied and of these 22,5 cr have to of the *-marked courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
DD2488 Compiler Construction *The course will not be given 07/08. Replaces 2D1488 ***	9	D	2	-	-	-					
DN2258 Introduction to High Performance Computing* *Replaces 2D1258. Please note that the course starts in August. Will not be on the central*	7,5	C	40	-	-	40	1				

schedule.											
DN2264 Parallell Computations for Large-Scale Problems, part 1 *Replaces 2D1264.*	6	C	24	-	-	12			3	4	
ID1215 Compilers and Execution Environments *Replaces 2G1533* *Under bearbetning*	7,5	C	28	8	-	4		2			
IL2200 ASIC-design Methodology with High-level Languages *Replaces 2B1423 ** *Under bearbetning*	7,5	D	20	4	-	20		2			
IL2204 DSP-Construction with HDL *Replaces 2B1435 ** *Under bearbetning*	7,5	D	24	12	-	24			3		
IL2206 Embedded Systems *Replaces 2B1446*	7,5	C	24	8	-	16	1				
IL2207 System-On-Chip Architectures *Replaces 2B1448 ** *Under bearbetning*	7,5	D	24	8	-	12		2			
IL2212 Embedded Software *Replaces 2B1463 ** *Under bearbetning*	7,5	D	20	8	-	12			3		
IL2217 Digital Design with HDL *Replaces 2B1513 ** *Under bearbetning*	7,5	D	22	10	-	28	1				
IS1202 Computer Systems Architecture *Replaces 2G1534* *Under bearbetning*	7,5	C	16	16	-	16				4	Homework 16h
IS2206 Research Methods in Computer Systems Engineering *Replaces 2G1535 ** *Under bearbetning*	7,5	D	8	-	-	-			3		
IV1200 System Modelling and Simulation *Replaces 2G1531* *Under bearbetning*	7,5	C	20	16	-	10	1				12 h Projektuppgift12 h Projektuppgift

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Distributed Systems D3

At least 22,5 university credits of the elective courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
ID2204 Constraint Programming *Replaces 2G1515* *Under bearbetning*	7,5	D	24	-	-	-				4	Project work 10 hours
ID2208 Programming Web-Services *Replaces 2G1523* *Under bearbetning*	7,5	D	20	10	-	-			3		
ID2210 Distributed Computing, Peer-to-Peer and GRIDS *Replaces 2G1526* *Under bearbetning*	7,5	D	-	-	12	-				4	Assignment presentations 1 h per group

Distributed Systems D4

At least 22,5 university credits of the elective courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ID2201 Distributed Systems, Basic Course *Replaces 2G1509*	7,5	D	24	-	-	-	1				Project work 12 hours
ID2203 Distributed Systems, Advanced Course *Replaces 2G1513* *Under bearbetning*	7,5	D	24	-	-	-			3		
Elective Courses											

ID1217 Concurrent Programming *Replaces* *2G1915* *Under* *bearbetning*	7,5	C	36	-	-	24			3			
ID2204 Constraint Programming *Replaces* *2G1515* *Under* *bearbetning*	7,5	D	24	-	-	-				4	Project work 10 hours
ID2207 Modern Methods in Software Engineering *Replaces* *2G1522* *Under* *bearbetning*	7,5	D	20	10	-	-	1				
ID2208 Programming Web-Services *Replaces* *2G1523* *Under* *bearbetning*	7,5	D	20	10	-	-			3		
ID2209 Distributed Artificial Intelligence and Intelligent Agents *Replaces* *2G1524* *Under* *bearbetning*	7,5	D	24	10	-	-		2			
ID2210 Distributed Computing, Peer-to-Peer and GRIDS *Replaces* *2G1526* *Under* *bearbetning*	7,5	D	-	-	12	-				4	Assignment presentations 1 h per group
ID2212 Network Programming with Java *Under* *bearbetning*	7,5	D	22	10	-	10		2			
IK2206 Internet Security and Privacy *Replaces* *2G1704.* *Under* *bearbetning*	7,5	D	20	10	-	-		2			assigned paper
IV1200 System Modelling and Simulation *Replaces* *2G1531* *Under* *bearbetning*	7,5	C	20	16	-	10	1				12 h Projektuppgift12 h Projektuppgift

Previous academic year (06/07)

Next academic year (08/09)

Computer Science

Human-Computer Interaction D3

At least 2 of the advanced courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DH2640 Graphics and Interaction Programming *Replaces 2D1640.*	9	C	42	8	-	42			3	4	
Recommended Courses											
DH2625 IT-design for the Disabled *Replaces 2D1625. Given if there are at least 15 participants.*	6	A	18	-	-	8		2			Seminars 8 h

Human-Computer Interaction D4

At least 2 of the advanced courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods	Other

							1	2	3	4
Compulsory Courses										
DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1			
DH2622 Human-Computer Interaction, Advanced Course with Prototyping *Replaces 2D1622.*	9	C	18	5	-	8		2		
Recommended Courses										
DD2381 Industrial Applications of Artificial Intelligence *Replaces 2D1381.*	6	C	36	-	-	-	1	2		
DD2422 Image Analysis and Computer Vision *Replaces 2D1422.*	6	C	30	2	-	20			3	
DH1378 Text and Image Processing *Replaces 2D1378. Not given 07/08. The course is given every second year.*	6	A	28	18	-	-				
DH2400 Physical Interaction Design and Realization *Replaces 2D1400.*	7,5	D	12	-	-	12			3	

DH2408 Evaluation Methods in Human-Computer Interaction *Replaces 2D1408. Given if there are at least 15 participants. Advanced course*	6	D	16	10	-	-			3		
DH2413 Advanced Graphics and Interaction *Replaces 2D1413.*	9	D	46	-	-	12	1	2			
DH2416 Computer Support for Cooperative Work *Replaces 2D1416. Given if there are at least 15 participants. Advanced course*	9	D	24	12	-	2			3	4	
DH2418 Language Engineering *Replaces 2D1418.*	6	D	40	-	-	12	1				

DH2603 Technologies that Change Time, Space and Reality *Replaces 2D1603. Given if there are at least 15 participants, otherwise it is given as an individual reading course..*	7,5	B	34	27	-	-	1	2			
DH2630 Methods in Behavioural Science *Replaces 2D1630.*	6	C	18	6	-	-	1				
DH2650 Computer Game Design* *Replaces 2D1650. Limited number of participants.*	6	D	20	8	-	3		2			
DH2651 Computer Game Design and Advanced Graphics* *Replaces 2D1651. Limited number of participants.*	9	D	48	12	-	18	1	2			
DH2655 Cooperative IT-design *Replaces 2D1655. Advanced course*	9	D	28	10	-	8			3	4	

DT2213 Musical Communication and Music Technology *Replaces 2F1213.*	7,5	D	28	8	-	12				4	Project assignment 30h
EN2200 Pattern Recognition *Replaces 2E1395.*	6	A	24	24	-	-	1				24 h Projektuppgift24 h Projektuppgift
IC1004 Cognitive Psychology *Replaces 2I1130* *Under bearbetning*	6	A	30	12	-	-	1				
ME2041 Psychology for Engineers *Replaces 4D1093.* *Examiner: Lena Mårtensson.* *Under bearbetning*	6	B	24	3	-	4		2			

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Industrial Information and Control Systems D3

The specialization is given for the first time for D 07/08.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
DD2471 Modern Database Systems and Their Applications *Replaces 2D1471.*	7,5	D	26	8	-	-				4	
ME1004 Industrial Economy and Management, Basic Course *Replaces 4D1024. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-			3		2 h Seminars2 h Seminars

Industrial Information and Control Systems D4

The specialization is given for the first time for D 07/08.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EH2010 Management of Technology *Replaces 2C1224*	7,5	D	32	20	-	-	1				
EH2020 Industrial Control and Information Systems *Replaces 2C1521*	7,5	A	18	-	-	-		2			18 h Seminars18 h Seminars
EH2040 Industrial Information Systems, Systems Engineering* *Replaces 2C1228*	7,5	A	24	-	-	-			3		
EH2050 Industrial Information Systems, Case Studies* *Replaces 2C1229*	7,5	A	24	-	-	-				4	

Elective Courses											
AK2014 Decision Theory *Replaces 1N1117. (prior level C)*	7,5	A	16	14	-	-	1				
DD2395 Computer Security *Replaces 2D1395.*	6	C	28	6	-	16	1				Seminars 2 h in per 2
DD2471 Modern Database Systems and Their Applications *Replaces 2D1471.*	7,5	D	26	8	-	-				4	
DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1				
EH2030 Business Development and Quality Management *Replaces 2C1522*	7,5	A	36	10	-	-		2			
EH2730 Requirements Engineering *Replaces 2C1520*	7,5	A	22	8	-	-		2			
ID2003 Software Testing and Metrics *Replaces 2I1282* *Under bearbetning*	7,5	D	40	-	120	-			3		
IV2007 Enterprise Computing and ERP Systems *Replaces 2I1228* *Under bearbetning*	7,5	D	14	12	-	60	1				80h
IV2031 Strategic Management of IT *Replaces 2I2126*	7,5	D	20	-	-	-				4	15 h Projektuppgift15 h Projektuppgift
ME1004 Industrial Economy and Management, Basic Course *Replaces 4D1024. Examiner: Thorolf Hedborg.* *Under bearbetning*	6	A	24	14	-	-			3		2 h Seminars2 h Seminars
ME2037 Project Management* *Replaces 4D1402. Examiner: Örjan Wikforss* *Under bearbetning*	6	B	16	-	-	-	1				12 h Seminars, 8 h Study visit12 h Seminars, 8 h Study visit

ME2038 IT Management* *Replaces 4D1403. Examiner Örjan Wikforss Under bearbetning*	6	C	20	-	-	-		2			6 h Seminars, 6 h Study visit6 h Seminars, 6 h Study visit
ME2042 Business Negotiations* *Replaces 4D1041. Examinor: Thorolf Hedborg. Under bearbetning*	6	C	22	4	-	-	1	2			Role-play 8h Seminars 4h

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Computer Science

Information Systems and Computer Base Technology D3

At least 36 university credits of the compulsory courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ID2006 Software Evolution and Maintenance *Replaces 2I1416* *Under bearbetning*	7,5	C	24	-	6	-				4	
IV2008 Models and Languages for Object and Web Databases *Replaces 2I1242* *Under bearbetning*	7,5	D	21	40	-	75			3		Studying/Practice 60h
IV2010 Mobile Business *Replaces 2I1406* *Under bearbetning*	7,5	D	18	12	-	-			3	4	Project work 80 h
IV2012 Knowledge and Software Reuse *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. Replaces 2I1415* *Under bearbetning*	7,5	C	18	18	-	40			3	4	

IV2015 Knowledge Management *Replaces 2I1419* *Under bearbetning*	7,5	D	24	24	-	-			3		

Information Systems and Computer Base Technology D4

At least 36 university credits of the compulsory courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
IV2001 Internet and ERP Systems *Replaces 2I1053* *Under bearbetning*	7,5	C	12	-	-	-	1				Project work 80 h
IV2007 Enterprise Computing and ERP Systems *Replaces 2I1228* *Under bearbetning*	7,5	D	14	12	-	60	1				80h
IV2008 Models and Languages for Object and Web Databases *Replaces 2I1242* *Under bearbetning*	7,5	D	21	40	-	75			3		Studying/Practice 60h
IV2012 Knowledge and Software Reuse *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. Replaces 2I1415* *Under bearbetning*	7,5	C	18	18	-	40			3	4	
IV2014 Data Warehousing *Replaces 2I1418* *Under bearbetning*	7,5	D	15	-	2	-		2			9 h Seminars9 h Seminars

IV2015 Knowledge Management *Replaces* *2I1419* *Under* *bearbetning*	7,5	D	24	24	-	-			3			
Recommended Courses												
ID2006 Software Evolution and Maintenance *Replaces* *2I1416* *Under* *bearbetning*	7,5	C	24	-	6	-				4		
ID2007 Processes for IT Production *Replaces* *2I1420.* *Under* *bearbetning*	7,5	D	21	-	-	-	1				6 h Seminars6 h Seminars	
IV2002 Internet Search and Monitoring Techniques *Replaces* *2I1068* *Under* *bearbetning*	7,5	C	-	-	16	-	1				6 assignments	
IV2009 Model-driven Development of Components *Under* *bearbetning*	7,5	D	20	35	-	110			3	4		
IV2013 Relational Database Design *Replaces* *2I1417* *Under* *bearbetning*	7,5	C	12	12	9	8		2				
IV2016 Project and Power Games *Replaces* *2I1421* *Under* *bearbetning*	7,5	D	27	27	-	-				4		
IV2017 Interoperability of Enterprise Systems and Services *Replaces* *2I1423* *Under* *bearbetning*	7,5	D	12	12	40	18		2				
IV2029 Global IT-management *Replaces* *2I2121*	7,5	D	20	-	-	-		2			15 h Projektuppgift15 h Projektuppgift	
IV2030 Management of IT-enabled Change *Replaces* *2I2125.* *The course* *not given* *07/08.*	7,5	D	20	-	-	-			3		15 h ProjektuppgiftOnly one of II1210 and IV2030 may be taken. 15 h Projektuppgift	
IV2031 Strategic Management of IT *Replaces* *2I2126*	7,5	D	20	-	-	-				4	15 h Projektuppgift15 h Projektuppgift	

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Computer Science

Intelligent Interactive Systems D3

At least 36 university credits of the compulsory courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ID2000 Machine Learning *Replaces 2I1234* *Under bearbetning*	6	D	36	-	-	-				4	
ID2011 Microsimulation *Replaces 2I1719. The course not given 07/08.* *Under bearbetning*	7,5	D	-	-	-	-				4	
ID2012 Ubiquitous Computing *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. Replaces 2I1721* *Under bearbetning*	7,5	D	29	2	2	-			3	4	4 h Seminars4 h Seminars
Elective Courses											

ID1008 Internet Application Protocols and Standards *Replaces 2I1263* *Under bearbetning*	6	A	24	-	-	20			3		120h

Intelligent Interactive Systems D4

At least 36 university credits of the compulsory courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
IC1003 Cognitive Science *Replaces 2I1095. Kursen utgår och ersätts av IC1008 f o m läå 07/08* *Under bearbetning*	6	C	25	-	-	-			3		Course assignment work 120
IC1008 Cognitive Science *Replaces IC1003. The course not given 07/08.* *Under bearbetning*	7,5	C	25	-	-	-			3		Course assignment work 120
ID2009 Artificial Intelligence: Principles and Techniques *Replaces 2I1715* *Under bearbetning*	7,5	C	-	-	-	-				4	
ID2010 Programming of Interactive Systems *Under bearbetning*	7,5	D	26	6	-	50		2	3		
ID2011 Microsimulation *Replaces 2I1719. The course not given 07/08.* *Under bearbetning*	7,5	D	-	-	-	-				4	

ID2012 Ubiquitous Computing *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. Replaces 2I1721* *Under bearbetning*	7,5	D	29	2	2	-			3	4	4 h Seminars4 h Seminars
Recommended Courses											
IC1002 Web-design *Replaces 2I1070* *Under bearbetning*	7,5	B	18	-	-	-				4	Project work 80-100 h
IC1004 Cognitive Psychology *Replaces 2I1130* *Under bearbetning*	6	A	30	12	-	-	1				
IC2000 Methods for the Design of Multimedia and Interactive Systems *Replaces 2I1059. The course not given 07/08.* *Under bearbetning*	9	D	25	-	-	64			3	4	
IC2001 Complex Social Networks *Replaces 2I1409* *Under bearbetning*	6	D	20	-	-	-		2			
IC2007 Collaborative Computing *The course is a replacement for 2I1709 from 06/07. Students who have already taken the course*	7,5	D	20	-	-	10			3		20 h Seminars20 h Seminars

2I1709 can therefore not apply for this one. Replaces 2I17120. The course not given 07/08. Under bearbetning											
IC2008 Affective Interaction *Replaces 2i1722 Under bearbetning*	7,5	D	18	-	-	120			3		
IC2010 Advanced Individual Course in Human-Computer Interaction *Replaces 2I1724 Under bearbetning*	7,5	D	-	-	-	-	1	2	3	4	
ID2013 Internet Programming I *Replaces 2I1801 Under bearbetning*	7,5	D	6	-	-	160	1				
ID2014 Internet Programming II *Replaces 2I1802 Under bearbetning*	7,5	D	6	-	-	160		2			
ID2209 Distributed Artificial Intelligence and Intelligent Agents *Replaces 2G1524 Under bearbetning*	7,5	D	24	10	-	-		2			
Elective Courses											
ID1008 Internet Application Protocols and Standards *Replaces 2I1263 Under bearbetning*	6	A	24	-	-	20			3		120h

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Internet Working Technology D3

At least 22,5 university credits of the recommended courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD2392 Protocols and Principles of the Internet *Replaces 2D1392.*	7,5	C	20	12	-	20			3		
DD2490 IP Routing in Simple Computer Networks *Replaces 2D1490.*	7,5	D	22	10	-	32				4	
Recommended Courses											
ID2206 Operating Systems *Replaces 2G1520* *Under bearbetning*	7,5	C	28	12	-	-				4	

Internet Working Technology D4

At least 22,5 university credits of the recommended courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD2392 Protocols and Principles of the Internet *Replaces 2D1392.*	7,5	C	20	12	-	20			3		
DD2490 IP Routing in Simple Computer Networks *Replaces 2D1490.*	7,5	D	22	10	-	32				4	
Recommended Courses											
DD2390 Internet Programming *Replaces 2D1390.*	6	C	18	-	-	32		2			

DD2395 Computer Security *Replaces 2D1395.*	6	C	28	6	-	16	1				Seminars 2 h in per 2
DD2491 IP Routing in Internet and Other Complex Networks *Replaces 2D1491.*	7,5	D	22	8	-	32	1				
DD2492 Net Design, Project Course *Replaces 2D1492. The course is given every second year. Not given 07/08.*	9	D	12	4	-	8					
EP2200 Queuing Theory and Teletraffic Systems *The course replaces 2E1618.*	7,5	C	24	24	-	-		2			
EP2210 Performance Analysis of Communication Networks *The course replaces 2E1624. Under bearbetning*	7,5	A	-	-	24	-	1				30 h Projektuppgift30 h Projektuppgift
EP2300 Management of Networks and Networked Systems *The course replaces 2E1632. Under bearbetning*	7,5	A	20	-	-	20				4	Project
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2			
ID2206 Operating Systems *Replaces 2G1520 Under bearbetning*	7,5	C	28	12	-	-				4	
ID2210 Distributed Computing, Peer-to-Peer and GRIDS *Replaces 2G1526 Under bearbetning*	7,5	D	-	-	12	-				4	Assignment presentations 1 h per group

IK2213 Network Services and Internet-based Applications *Replaces EP2150.* *Under bearbetning*	7,5	D	10	16	-	-				4	Group projects.
IK2554 Practical Voice Over IP (VoIP) *Replaces 2G1325* *Under bearbetning*	7,5	D	10	-	-	-				4	Assigned paper 50h
IK2555 Wireless and Mobile Network Architectures *Replaces 2G1330* *Under bearbetning*	7,5	D	10	-	-	-			3		Assigned paper 50h

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Previous academic year (06/07) Next academic year (08/09)

Computer Science

IT Project Management and Organisation D3

For more detailed information, see the broschure about specializations for D (in Swedish). At least one of the courses ME2018 and ME2039 have to be read.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1004 Industrial Economy and Management, Basic Course *Replaces 4D1024. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-			3		2 h Seminars2 h Seminars
ME1007 Strategic Management *Replaces 4D1061. Examiner: Claes Gustafsson. Under bearbetning*	6	B	24	-	-	-				4	6 h Seminars6 h Seminars

IT Project Management and Organisation D4

For more detailed information, see the broschure about specializations for D (in Swedish). At least one of the courses ME2018 and ME2039 have to be read.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME2015 Project Management: Leadership and Control *Replaces 4D1047. Examiner Johann Packendorff Under bearbetning*	6	B	40	8	-	-	1				

ME2017 Project Management: Leading Project-Based Operations *Replaces 4D1049. Examiner Johann Packendorff. Under bearbetning*	6	C	36	12	-	-			3			
ME2032 Economics of Industrial and Technical Transformation *Replaces 4D1053. Examiner: Pär Blomkvist. Under bearbetning*	6	B	36	-	-	-	1					2 h Seminars2 h Seminars
Conditionally Elective Courses												
ME2018 Leading Temporary Organizations and Projects *Replaces 4D1404. Examiner: Johann Packendorff. Under bearbetning*	6	D	36	-	-	-				4		12 h Seminars12 h Seminars
ME2039 Knowledge Management *Replaces 4D1306. Examiner Örjan Wikforss Under bearbetning*	6	D	18	12	-	-				4		12 h Seminars12 h Seminars

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Scientific Computing D3

Prerequisites for the spec. is 5B1212/SF1637 Differential Equations and Transformes III. At least 22,5 university credits of the elective courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DN2264 Parallell Computations for Large-Scale Problems, part 1 *Replaces 2D1264.*	6	C	24	-	-	12			3	4	
Elective Courses											
DD2257 Visualization *Replaces 2D1257.*	6	C	16	-	-	14			3		
DN2265 Parallell Computations for Large-Scale Problems, part 2 *Replaces 2D1265.*	3	C	4	-	-	8				4	

Scientific Computing D4

Prerequisites for the spec. is 5B1212/SF1637 Differential Equations and Transformes III. At least 22,5 university credits of the elective courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DN2264 Parallell Computations for Large-Scale Problems, part 1 *Replaces 2D1264.*	6	C	24	-	-	12			3	4	
Elective Courses											
DD2257 Visualization *Replaces 2D1257.*	6	C	16	-	-	14			3		

DN2253 Numerical Algebra, Methods for Large Matrices *Replaces 2D1253. Given every second year. Not given 07/08.*	7,5	D	24	-	-	6					
DN2255 Numerical Solutions of Differential Equations *Replaces 2D1255.*	7,5	D	30	-	-	8			3	4	
DN2258 Introduction to High Performance Computing* *Replaces 2D1258. Please note that the course starts in August. Will not be on the central schedule.*	7,5	C	40	-	-	40	1				
DN2260 The Finite Element Method *Replaces 2D1260.*	6	C	18	14	-	10	1				
DN2265 Parallell Computations for Large-Scale Problems, part 2 *Replaces 2D1265.*	3	C	4	-	-	8				4	
DN2269 Mathematical Models, Analysis and Simulation, part 2 *Replaces 2D1269. Not given 07/08.*	7,5	D	42	-	-	12					
DN2290 Advanced Numerical Analysis *Replaces 2D1290. The course will not be on the central schedule.*	7,5	D	16	-	-	4				4	

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Software Systems Technology D3

At least 37,5 university credits of the courses have to be studied. 1 = at least 3 of the courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
DD2450 Algorithmic Bioinformatics *Replaces 2D1450.*	6	D	36	-	-	-				4	
DD2455 Theoretical Foundations of Object-Orientation *Replaces 2D1455.*	7,5	D	28	4	-	10				4	
DD2471 Modern Database Systems and Their Applications *Replaces 2D1471.*	7,5	D	26	8	-	-				4	
DD2483 Development of Web Applications with Enterprise Java *Replaces 2D1483.*	6	D	16	-	-	32			3		
SF2715 Applied Combinatorics *Replaces 5B1305. Not given 07/08.*	6	C	-	-	42	-					

Software Systems Technology D4

At least 37,5 university credits of the courses have to be studied. 1 = at least 3 of the courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	

DD2380 Artificial Intelligence *Replaces 2D1380.*	6	C	24	12	-	30	1				
DD2381 Industrial Applications of Artificial Intelligence *Replaces 2D1381.*	6	C	36	-	-	-	1	2			
DD2387 Program System Construction Using C++ *Replaces 2D1387.*	6	C	18	6	-	32	1	2			
DD2388 Program System Construction using .NET Framework* *Replaces 2D1388.*	7,5	C	24	-	-	32			3	4	
DD2390 Internet Programming *Replaces 2D1390.*	6	C	18	-	-	32		2			
DD2395 Computer Security *Replaces 2D1395.*	6	C	28	6	-	16	1				Seminars 2 h in per 2
DD2431 Machine Learning *Replaces 2D1431.*	6	C	26	-	-	20		2			
DD2440 Advanced Algorithms *Replaces 2D1440. 1*	6	D	30	-	-	-		2			
DD2450 Algorithmic Bioinformatics *Replaces 2D1450.*	6	D	36	-	-	-				4	
DD2452 Formal Methods *Replaces 2D1452.*	7,5	D	20	14	-	12			3		
DD2454 Semantics for Programming Languages *Replaces 2D1454. 1*	6	D	20	10	-	-		2			
DD2455 Theoretical Foundations of Object-Orientation *Replaces 2D1455.*	7,5	D	28	4	-	10				4	
DD2458 Problem Solving and Programming under Pressure* *Replaces 2D1458. 1*	9	C	26	-	-	32	1	2			

DD2469 Database Theory *Replaces 2D1469. The course is given every second year. It will be given 07/08.*	6	D	31	17	-	-	1				
DD2471 Modern Database Systems and Their Applications *Replaces 2D1471.*	7,5	D	26	8	-	-				4	
DD2472 Database Systems for Modern Applications *Given every second year. Not given 07/08. Replaces 2D1472.*	6	D	14	-	-	10					
DD2483 Development of Web Applications with Enterprise Java *Replaces 2D1483.*	6	D	16	-	-	32			3		
DD2486 Systems Programming and Operating Systems *Replaces 2D1486.*	7,5	D	24	-	-	24		2			
DD2488 Compiler Construction *The course will not be given 07/08. Replaces 2D1488*	9	D	2	-	-	-					
DH2418 Language Engineering *Replaces 2D1418. 1*	6	D	40	-	-	12	1				
DH2655 Cooperative IT-design *Replaces 2D1655.*	9	D	28	10	-	8			3	4	
ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3		
ID2003 Software Testing and Metrics *Replaces 2I1282* *Under bearbetning*	7,5	D	40	-	120	-			3		

IV2007 Enterprise Computing and ERP Systems *Replaces 2I1228* *Under bearbetning*	7,5	D	14	12	-	60	1				80h
SF2715 Applied Combinatorics *Replaces 5B1305.* *Not given 07/08.*	6	C	-	-	42	-					

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Computer Science

The Philosophy of Information D4

At least 2 of the compulsory courses have to be studied + additionally 2 of the compulsory or recommended courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AK2006 Information Analysis *replaces 1N1107. (prior level C)*	7,5	A	14	14	-	-				4	
AK2007 Computer- and Information Ethics *Replaces 1N1108. (prior level C)*	7,5	A	20	10	-	-			3		
AK2010 Aesthetics and Technology *Replaces 1N1113. (prior level C)*	7,5	A	20	10	-	-		2			
AK2014 Decision Theory *Replaces 1N1117. (prior level C)*	7,5	A	16	14	-	-	1				
Recommended Courses											
AK2001 Mathematics and Reality *Replaces 1H1601. (prior level C)*	7,5	A	20	10	-	-				4	
AK2004 Philosophy of Risk *Replaces 1N1604. (prior level C)*	7,5	A	20	-	-	-		2			10h seminars
Elective Courses											

DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3		
DD2441 Seminars on Theoretical Computer Science *Replaces 2D1441. The course is given every second year and will not be given in 07/08.*	6	D	30	-	-	-					
DH2400 Physical Interaction Design and Realization *Replaces 2D1400.*	7,5	D	12	-	-	12			3		
DH2418 Language Engineering *Replaces 2D1418.*	6	D	40	-	-	12	1				
DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1				
DH2622 Human-Computer Interaction, Advanced Course with Prototyping *Replaces 2D1622.*	9	C	18	5	-	8		2			
DH2655 Cooperative IT-design *Replaces 2D1655.*	9	D	28	10	-	8			3	4	
ID2000 Machine Learning *Replaces 2I1234 Under bearbetning*	6	D	36	-	-	-				4	
ID2012 Ubiquitous Computing *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. Replaces*	7,5	D	29	2	2	-			3	4	4 h Seminars4 h Seminars

2I1721 *Under bearbetning*											
IV2014 Data Warehousing *Replaces* *2I1418* *Under bearbetning*	7,5	D	15	-	2	-		2			9 h Seminars9 h Seminars
IV2015 Knowledge Management *Replaces* *2I1419* *Under bearbetning*	7,5	D	24	24	-	-			3		

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Computer Science

Theoretical Computer Science D3

At least 37,5 university credits and three of the courses marked with 1 have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
DD2441 Seminars on Theoretical Computer Science *Replaces 2D1441. The course is given every second year and will not be given in 07/08. 1*	6	D	30	-	-	-					
DD2446 Complexity Theory *Replaces 2D1446. The course is given every second year and will be given in 07/08. 1*	6	D	30	-	-	-				4	
DD2447 Statistical Methods in Applied Computer Science *Replaces 2D1447. 1*	6	D	18	6	-	-			3	4	
DD2449 Foundations of Cryptography *Replaces 2D1449. 1*	6	D	30	-	-	-			3		

DD2450 Algorithmic Bioinformatics *Replaces 2D1450.*	6	D	36	-	-	-				4	
DD2452 Formal Methods *Replaces 2D1452. 1*	7,5	D	20	14	-	12			3		
DD2453 Advanced Formal Methods *Replaces 2D1453. The course is given every second year. Not given 07/08. 1*	7,5	D	12	8	-	-					
DD2455 Theoretical Foundations of Object-Orientation *Replaces 2D1455.*	7,5	D	28	4	-	10				4	
ID2204 Constraint Programming *Replaces 2G1515 Under bearbetning*	7,5	D	24	-	-	-				4	Project work 10 hours
SF1811 Optimization for F *Replaces 5B1712.*	6	C	28	16	-	6			3		
SF2703 Algebra, Basic Course *Replaces 5B1309. Under bearbetning*	6	C	-	-	42	-			3		
SF2715 Applied Combinatorics *Replaces 5B1305. Not given 07/08. 1*	6	C	-	-	42	-					

Theoretical Computer Science D4

At least 37,5 university credits and three of the courses marked with 1 have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
DD2380 Artificial Intelligence *Replaces 2D1380.*	6	C	24	12	-	30	1				
DD2395 Computer Security *Replaces 2D1395.*	6	C	28	6	-	16	1				Seminars 2 h in per 2

DD2440 Advanced Algorithms *Replaces 2D1440. 1*	6	D	30	-	-	-		2			
DD2441 Seminars on Theoretical Computer Science *Replaces 2D1441. The course is given every second year and will not be given in 07/08. 1*	6	D	30	-	-	-					
DD2446 Complexity Theory *Replaces 2D1446. The course is given every second year and will be given in 07/08. 1*	6	D	30	-	-	-				4	
DD2447 Statistical Methods in Applied Computer Science *Replaces 2D1447. 1*	6	D	18	6	-	-			3	4	
DD2449 Foundations of Cryptography *Replaces 2D1449. 1*	6	D	30	-	-	-			3		
DD2450 Algorithmic Bioinformatics *Replaces 2D1450. 1*	6	D	36	-	-	-				4	
DD2452 Formal Methods *Replaces 2D1452. 1*	7,5	D	20	14	-	12			3		
DD2453 Advanced Formal Methods *Replaces 2D1453. The course is given every second year. Not given 07/08. 1*	7,5	D	12	8	-	-					
DD2454 Semantics for Programming Languages *Replaces 2D1454. 1*	6	D	20	10	-	-		2			

DD2455 Theoretical Foundations of Object-Orientation *Replaces 2D1455.*	7,5	D	28	4	-	10				4		
DD2458 Problem Solving and Programming under Pressure* *Replaces 2D1458.*	9	C	26	-	-	32	1	2				
DD2488 Compiler Construction *The course will not be given 07/08. Replaces 2D1488*	9	D	2	-	-	-						
ID1217 Concurrent Programming *Replaces 2G1915 1* *Under bearbetning*	7,5	C	36	-	-	24			3			
ID2204 Constraint Programming *Replaces 2G1515* *Under bearbetning*	7,5	D	24	-	-	-				4	Project work 10 hours	
ID2213 Logic Programming *Replaces 2G1530 1* *Under bearbetning*	7,5	D	16	12	-	-	1				Individual work on project and group presentation 4h	
SF1811 Optimization for F *Replaces 5B1712.*	6	C	28	16	-	6			3			
SF1851 Optimization for E *Replaces 5B1752.*	6	C	28	16	-	8	1					
SF2703 Algebra, Basic Course *Replaces 5B1309.* *Under bearbetning*	6	C	-	-	42	-			3			
SF2708 Combinatorics *Replaces 5B1475. Given 07/08.* *Under bearbetning*	7,5	D	-	-	36	-			3	4		
SF2715 Applied Combinatorics *Replaces 5B1305. Not given 07/08. 1*	6	C	-	-	42	-						

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Design and Product Realisation

Design and Product Realisation P2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MF1012 Design and Product Realisation, A *Replaces 4F1812.*	6	B	14	46	-	5	1	2			27 h Workshop27 h Workshop
MF1013 Design and Product Realisation, B *Replaces 4F1813*	12	C	26	80	-	12			3	4	15 h Workshop15 h Workshop
MF1016 Basic Electrical Engineering *Replaces 4F1816*	9	B	24	28	-	22			3	4	
MJ1112 Applied Thermodynamics *Replaces 4A1112*	9	A	44	48	-	-			3	4	Math exercises
SE1010 Solid Mechanics, Basic Course *Replaces 4C1010.*	12	B	54	30	-	2	1	2			60 h Projektuppgift60 h Projektuppgift
SF1633 Differential Equations I *Replaces 5B1206.*	6	C	40	20	-	-	1	2			
SG1140 Mechanics II *Replaces 5C1140.*	6	B	30	-	15	-		2			

Previous academic year (06/07)

Next academic year (08/09)

Design and Product Realisation

Design and Product Realisation P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
Conditionally Elective Courses											
MF102X Degree project in Design and Product Realization (Bachelor of Science)	15	C	-	-	-	-			3	4	
MF107X Degree project in Design and Product Realization (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h
MF112X Degree project in Design and Product Realization (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h
MF116X Degree project in Design and Product Realization (Bachelor of Science)	15	C	-	-	-	-			3	4	

MG103X Degree project (Bachelor of Science) in Design and Product Realization	15	C	-	-	-	-			3	4	
MJ142X Degree Project in Vehicle Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h
Elective Courses											
DD1322 Applied Programming and Computer Science, Part 1 *Replaces 2D1322.*	6	B	26	14	-	14		2			
DD1324 Applied Programming and Computer Science, Part 2 *Replaces 2D1324.*	3	B	12	6	-	18			3		
DS1343 Spanish, Advanced Beginners Level*	7,5	B	-	-	56	-	1	2			
ME1004 Industrial Economy and Management, Basic Course *Replaces 4D1024. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-			3		2 h Seminars2 h Seminars
MF1019 Visualisation and Communication 1	6	C	15	-	-	14			3		Workshop 8 h
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827*	9	C	-	-	72	-	1	2			
MF1031 Vizualization Methods I *Replaces 4F1831 Under bearbetning*	6	C	14	14	-	28				4	Seminars 6 h
MF1032 Project Work in Product Development* *Replaces 4F1832 Under bearbetning*	8	C	-	-	-	-				4	10 h Seminars, 80 h Projektuppgift10 h Seminars, 80 h Projektuppgift
MG1001 Manufacturing *Replaces 4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
MG1023 Control Systems *Replaces 4K1101*	6	C	18	28	-	12			3		
MG2013 Advanced Welding Technology, Modulus 1 *Replaces 4G1243*	6	D	20	20	-	20			3		

MG2020 Modularisation of Products *Replaces* *4K1132*	6	C	24	20	-	-			3		
MG2022 Advanced CAD Modelling & Rapid Prototyping, Project Course *Replaces* *4K1213*	6	D	16	24	-	-		2	3		Project work
MG2023 Effective Production* *Replaces* *4G1134*	9	D	30	10	-	-			3	4	
MG2024 Manufacturing Systems and Automation *Replaces* *4K1105*	6	C	14	24	-	12		2			
MG2030 Production Engineering - simulation of factory, flow and processes	6	C	25	26	25	12		2			
MG2033 Quality Control	6	D	32	4	-	-			3		
MG2037 Industrial adhesive bonding*	6	B	30	30	-	-		2			
MJ1403 Energy Technology *Lectures are given jointly with 4A1604 Project Course in Sustainable Energy Systems* *Replaces* *4A1603*	6	C	48	12	-	-			3		
MJ1500 Technology and Ecosystems *Replaces* *3C1330*	6	A	22	3	-	-	1				
MJ1500 Technology and Ecosystems *Replaces* *3C1330*	6	A	22	3	-	-		2			
SG1217 Fluid Mechanics, Basic Course *Replaces* *5C1217.*	6	B	24	10	-	6			3		7 h Seminars7 h Seminars
SK2360 Laser Metrology and Optical Metrology *Replaces* *5A1228.*	6	B	24	-	6	-			3	4	
SK2370 Physics of Visual Impressions *Replaces* *5A1229.*	6	B	24	-	6	-				4	

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Design and Product Realisation

Design and Product Realisation P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
MF1019 Visualisation and Communication 1	6	C	15	-	-	14			3		Workshop 8 h
MF1025 Model Based Product Development II *Replaces 4F1825*	6	C	24	24	-	12	1				
MF1026 Model Based Product Development I	9	C	24	24	-	12	1	2			Project
MF1029 Industrial Design Theory *Replaces 4F1829*	6	C	-	21	-	-				4	Seminars 6 h
MF2012 Innovation Engineering *Replaces 4F1912*	30	D	-	-	-	-	1	2	3	4	40 h Seminars, 40 h Workshop, 40 h Study visit40 h Seminars, 40 h Workshop, 40 h Study visit
MF2018 Tribology *Replaces 4F2018*	6	C	-	-	30	5		2			
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
MG2013 Advanced Welding Technology, Modulus 1 *Replaces 4G1243*	6	D	20	20	-	20			3		
MG2022 Advanced CAD Modelling & Rapid Prototyping, Project Course *Replaces 4K1213*	6	D	16	24	-	-		2	3		Project work
MG2023 Effective Production* *Replaces 4G1134*	9	D	30	10	-	-			3	4	

MG2026 Integrating Industrial IT-systems	6	D	12	18	-	18				4	
MG2028 CAD and other IT Tools in Industrial Processes	6	D	12	12	-	24		2			
MG2031 Manufacturing, Advanced Course	6	D	-	-	34	12				4	Study visit 8h
MG2034 Information modelling and IT-strategies	6	C	24	24	-	-		2			
MG2035 Product Data Management/ Product Lifecycle Management	6	D	20	20	-	-			3		
MG2036 Computer Aided Manufacturing	6	D	12	12	-	24			3		
MG2037 Industrial adhesive bonding*	6	B	30	30	-	-		2			
MJ2451 Management and Leadership in Systems Engineering - Project Course *Replaces 4A1651*	3	A	10	-	-	-				4	
MJ2611 Introduction Industrial Ecology *Replaces 3C1336*	6	C	12	-	-	-	1				Seminars 8 h Project Study visit 4 h
MJ2621 Environmental Technology, Advanced Course *Replaces 3C1341*	7,5	D	34	9	-	-	1				Project Seminars

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Design and Product Realisation

Automotive Engineering P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EL1120 Automatic Control, General Course *Replaces 2E1212*	6	C	24	26	-	12		2			
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop

MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1					
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1					
SG1217 Fluid Mechanics, Basic Course *Replaces 5C1217.*	6	B	24	10	-	6			3		7 h Seminars7 h Seminars	
Conditionally Elective Courses												
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4		

Automotive Engineering P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
SG2211 Vehicle Aerodynamics *Replaces 5C1211.*	6	C	28	-	-	4				4	8 h Seminars8 h Seminars
Conditionally Elective Courses											
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
SD2222 Vehicle Components *Replaces 4B1422.*	8	D	30	30	-	-		2			
SD2225 Ground Vehicle Dynamics, Basic Course* *Replaces 4B1425.*	11	D	30	48	-	4			3	4	

SD2306 Railway Systems and Rail Vehicles *Replaces 4B1304.*	9	C	-	-	60	-	1	2			Project assignment 9h
SD2313 Rail Vehicle Dynamics *Replaces 4B1313.*	8	D	-	-	36	-			3		24 h Projektuppgift24 h Projektuppgift
Recommended Courses											
EJ2400 Electric Traction *Replaces 2C1119* *Under bearbetning*	6	A	36	-	-	-				4	
EJ2410 Hybrid Vehicle Drives* *Replaces 2C1243*	7,5	A	-	-	-	-		2			3 course meetings. (LTH, CTH and KTH) Project work/ assignments in between the meetings.
EL2520 Control Theory and Practice, Advanced Course *Replaces 2E1252*	7,5	D	28	26	-	10			3		
ME2040 Human Factors Engineering *Replaces 4D1084.* *Examinor: Lena Mårtensson.* *Under bearbetning*	6	B	24	6	3	3			3		
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827*	9	C	-	-	72	-	1	2			
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		

SD2150 Experimental Structure Dynamics, Project Course *Replaces 4B1132.*	9	D	-	36	24	8		2	3		
SD2190 Vehicle Acoustics and Vibration *Replaces 4B1176. Not given 07/08.*	6	D	-	-	24	-					
SD2228 Environmental Friendly Vehicle - Project Course* *Replaces 4B1428. Not given Spring 2008.*	8	D	10	20	-	-					Assignment work 40h Presentations 10h
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	
Elective Courses											
MF2017 Combustion Engines, Project Course *Replaces 4F1460 Open only for students with individual specialization of Combustion engines.*	9	D	-	-	18	-			3	4	

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Biomedical Engineering P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				

*The course has limited participation

Biomedical Engineering P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1009 Neuroscience*	7,5	C	50	-	-	20				4	
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars
HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1				

Elective Courses											
DD2435 Mathematical Modelling of Biological Systems *Replaces 2D1435.*	9	D	26	-	-	20	1	2			
KF2210 Polymer Chemistry	7,5	D	24	18	-	30	1				
KF2220 Biopolymers	7,5	D	24	10	-	25			3		5h Study visit
KF2270 Structure and Properties of Organic Materials	9	C	24	-	-	-	1				
KF2280 Structure and Function of Biofibres*	7,5	D	28	-	-	14		2			

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Design and Product Realisation

Combustion Engineering P3

At least 12 cr have to be chosen among de conditionally elective courses, and at least 8 cr have to be from the same group.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				

SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
SG1220 Fluid Mechanics for Engineers *Replaces 5C1220.*	6	B	24	10	-	6	1				7 h Seminars7 h Seminars

Combustion Engineering P4

At least 12 cr have to be chosen among de conditionally elective courses, and at least 8 cr have to be from the same group.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
MF2017 Combustion Engines, Project Course *Replaces 4F1460 Open only for students with individual specialization of Combustion engines.*	9	D	-	-	18	-			3	4	
SD2222 Vehicle Components *Replaces 4B1422.*	8	D	30	30	-	-		2			
Conditionally Elective Courses											

MF1025 Model Based Product Development II *Replaces* *4F1825* *Group 1*	6	C	24	24	-	12	1				
MF1026 Model Based Product Development I *Group 1*	9	C	24	24	-	12	1	2			Project
MF1027 Microcomputers in Embedded Systems *Replaces* *4F1827* *Group 2*	9	C	-	-	72	-	1	2			
MF2007 Dynamics and Motion Control *Replaces* *4F1907* *Group 2*	9	D	26	24	-	-	1				Workshop 12 h
MF2010 Component Design *Group 1*	6	C	12	16	-	2	1				
MF2014 Fluid Systems and Machines *Replaces* *4F1343* *Group 1*	6	C	24	24	-	12	1	2			
MF2018 Tribology *Replaces* *4F2018* *Group 1*	6	C	-	-	30	5		2			
MF2025 Project Work in Mechatronics* *Replaces* *4F1141* *Limited attendance due to limited number of availible projects* *Group 3*	6	C	-	-	-	-	1	2	3	4	No scheduled hours

MJ2653 Environmental Consequences, Advanced Course II *Replaces 3C1365* *Group 3*	6	D	15	15	-	40	1	2			Field exercises
SD2150 Experimental Structure Dynamics, Project Course *Replaces 4B1132.* *Group 3*	9	D	-	36	24	8		2	3		

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Design and Product Realisation

Industrial Design P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HM1025 Ergonomics in Product Development	6	B	18	9	-	6		2			
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MF1019 Visualisation and Communication 1	6	C	15	-	-	14			3		Workshop 8 h
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
Conditionally Elective Courses											
MF116X Degree project in Design and Product Realization (Bachelor of Science)	15	C	-	-	-	-			3	4	
Elective Courses											
MF1029 Industrial Design Theory *Replaces 4F1829*	6	C	-	21	-	-				4	Seminars 6 h

MF1031 Vizualization Methods I *Replaces* *4F1831* *Under bearbetning*	6	C	14	14	-	28				4	Seminars 6 h

Industrial Design P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
MF2002 Industrial Design, Advanced Course *Replaces* *4F1902*	30	D	-	180	-	-	1	2	3	4	
MF2005 Innovative Design I *Replaces* *4F1905*	12	D	24	96	-	-	1	2			
Elective Courses											
SK2370 Physics of Visual Impressions *Replaces* *5A1229.*	6	B	24	-	6	-				4	

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Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Industrial Ecology P3

A degree project (Bachelor of Science) is mandatory. Students of the specialization ILE can choose freely from the degree projects of the M-programme.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-	1				Seminars 5 h Project work Study visit
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				

Industrial Ecology P4

A degree project (Bachelor of Science) is mandatory. Students of the specialization ILE can choose freely from the degree projects of the M-programme.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MJ2611 Introduction Industrial Ecology *Replaces 3C1336*	6	C	12	-	-	-	1				Seminars 8 h Project Study visit 4 h

MJ2621 Environmental Technology, Advanced Course *Replaces 3C1341*	7,5	D	34	9	-	-	1				Project Seminars
MJ2663 Environmental Management *Replaces 3C1380*	6	C	10	-	-	-	1				Seminars 12 h
MJ2680 Environmental Systems Analysis *Replaces 3C1387*	6	C	16	8	-	6		2			
MJ2691 Technology and Sustainable Development *Replaces 3C1396*	6	C	8	9	-	-		2			
Recommended Courses											
MJ2630 Waste Management, Advanced Course *Replaces 3C1350*	6	D	18	-	-	-				4	Project work, Assignments, Study visit 4 halfdays
MJ2651 Ecology, Advanced Course *Replaces 3C1356*	6	C	21	4	-	-			3	4	Field work 8h
MJ2653 Environmental Consequences, Advanced Course II *Replaces 3C1365*	6	D	15	15	-	40	1	2			Field exercises
MJ2664 Environmental Management II, Advanced Course *Replaces 3C1381*	6	D	8	6	-	-				4	Project
MJ2670 Risk Management *Replaces 3C1383*	6	C	16	15	-	-	1				The course is given in Swedish in period 1 and in English in period 3.

Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Industrial engineering P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MG1001 Manufacturing *Replaces 4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
Conditionally Elective Courses											
MG103X Degree project (Bachelor of Science) in Design and Product Realization	15	C	-	-	-	-			3	4	

Industrial engineering P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other

Compulsory Courses											
MG2027 Project course Industrial production	6	D	-	-	-	-				4	160 h Projektuppgift160 h Projektuppgift
MG2028 CAD and other IT Tools in Industrial Processes	6	D	12	12	-	24		2			
MG2029 Production Engineering - Planning and Control	6	D	25	26	-	12	1				
MG2030 Production Engineering - simulation of factory, flow and processes	6	C	25	26	25	12		2			
Conditionally Elective Courses											
MG2020 Modularisation of Products *Replaces 4K1132*	6	C	24	20	-	-			3		
MG2026 Integrating Industrial IT-systems	6	D	12	18	-	18				4	
MG2031 Manufacturing, Advanced Course	6	D	-	-	34	12				4	Study visit 8h
MG2032 Automation Technology, Advanced Course	6	D	-	18	16	9		2			Project 10 h
MG2033 Quality Control	6	D	32	4	-	-			3		
MG2034 Information modelling and IT-strategies	6	C	24	24	-	-		2			
MG2035 Product Data Management/ Product Lifecycle Management	6	D	20	20	-	-			3		

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Industrial production, english P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1001 Manufacturing *Replaces 4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				

Industrial production, english P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MG2200 European Business Culture *Replaces 4G1180*	7,5	C	30	60	-	-			3	4	
MG2201 Design and Process Modelling *Replaces 4G1181*	7,5	C	30	60	-	-	1	2			
MG2202 Quality Control *Replaces 4G1182*	9	D	30	60	-	-	1	2	3	4	

MG2203 Process Control and Management *Replaces 4G1183*	9	D	30	60	-	-			3	4	
MG2204 Manufacturing Technology and Planning *Replaces 4G1184*	9	D	30	60	-	-	1	2			
MG2205 Operations Management *Replaces 4G1185*	9	C	30	60	-	-	1	2	3	4	

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Previous academic year (06/07)

Next academic year (08/09)

Design and Product Realisation

Integrated Product Development P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	Periods 2	Periods 3	Periods 4	Other
Compulsory Courses											
HM1025 Ergonomics in Product Development	6	B	18	9	-	6		2			
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars

ME1008 Work Organization and Leadership *Replaces 4D1075* *Examiner Matti Kaulio* *Under bearbetning*	6	B	24	24	-	-			3		
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
Conditionally Elective Courses											
MF112X Degree project in Design and Product Realization (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h

Integrated Product Development P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
MF2001 Integrated Product Development, Advanced Course	30	D	-	180	-	-	1	2	3	4	
Conditionally Elective Courses											

MF2019 CAD 3D-modelling and Visualization *Replaces 4F1541*	6	C	6	36	-	-				4	
MF2019 CAD 3D-modelling and Visualization* *Replaces 4F1541*	6	C	6	36	-	-		2			
Recommended Courses											
ME2040 Human Factors Engineering *Replaces 4D1084. Examinor: Lena Mårtensson.* *Under bearbetning*	6	B	24	6	3	3			3		
ME2044 Human Resource Management *Replaces 4D1096. Examiner: Matti Kaulio. Group 3* *Under bearbetning*	6	B	28	12	-	-			3		
ME2045 Leading Organizational Change* *Replaces 4D1098 Group 3* *Under bearbetning*	6	C	-	8	-	-				4	36 h Seminars36 h Seminars

ME2046 Managing Risks in Complex Technical Systems *Replaces 4D1099. Not given 2007/08. Examiner: Lena Mårtensson. Group 3* *Under bearbetning*	6	C	12	-	-	-					18 h Seminars18 h Seminars
MF2006 Innovative Design II *Replaces 4F1906 Group 2*	6	D	24	48	-	-	1				
MF2021 Environmentally Adapted Product Design *Replaces 4F1641 80% participation. Group 2*	6	C	-	-	42	-			3		
MF2022 Eco Design Project* *Replaces 4F1643 Group 2*	6	C	-	-	-	-	1	2	3	4	
MG1001 Manufacturing *Replaces 4G1169 Group 1*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165 group 1*	6	C	18	26	-	12			3		

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Inustrial Management and Economics P3

The specialization has 3 profiles. In the 4th year the student has to choose a profile. Within each profile 3 of the courses have to be taken.. Profil 1: ME2013, ME2014, ME2032 or ME2034. Profil 2: ME2013, ME2014, ME2015 or ME2017. Profil 3: , ME2015 eller ME2017, ME2027 or ME2038.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
ME1007 Strategic Management *Replaces 4D1061. Examiner: Claes Gustafsson. Under bearbetning*	6	B	24	-	-	-				4	6 h Seminars6 h Seminars
ME2044 Human Resource Management *Replaces 4D1096. Examiner: Matti Kaulio. Under bearbetning*	6	B	28	12	-	-			3		
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
Conditionally Elective Courses											

MG103X Degree project (Bachelor of Science) in Design and Product Realization	15	C	-	-	-	-			3	4	

Inustrial Management and Economics P4

The specialization has 3 profiles. In the 4th year the student has to choose a profile. Within each profile 3 of the courses have to be taken.. Profil 1: ME2013, ME2014, ME2032 or ME2034. Profil 2: ME2013, ME2014, ME2015 or ME2017. Profil 3: , ME2015 eller ME2017, ME2027 or ME2038.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
ME2000 Research Methodology *Replaces 4D1303. Examiner Monica Lindgren Under bearbetning*	3	D	20	-	-	-				4	
Conditionally Elective Courses											
ME2013 Operations Management: Organization and Control *Replaces 4D1038. Examinor: Johann Packendorff. Under bearbetning*	6	B	46	12	-	-		2			
ME2014 Operations Management: Strategy and Development *Ersätter 4D1039. Examiner: Johann Packendorff. Under bearbetning*	6	C	20	12	-	-			3		Account of project 8h Seminars 8h
ME2015 Project Management: Leadership and Control *Replaces 4D1047. Examiner Johann Packendorff Under bearbetning*	6	B	40	8	-	-	1				
ME2017 Project Management: Leading Project-Based Operations *Replaces 4D1049. Examiner Johann Packendorff. Under bearbetning*	6	C	36	12	-	-			3		

ME2018 Leading Temporary Organizations and Projects *Replaces 4D1404. Examiner: Johann Packendorff. Under bearbetning*	6	D	36	-	-	-				4	12 h Seminars12 h Seminars
ME2026 Brand Trends and Traditions *Replaces 4D1079. Examiner: Henrik Uggla. Under bearbetning*	6	D	35	-	-	-				4	
ME2032 Economics of Industrial and Technical Transformation *Replaces 4D1053. Examiner: Pär Blomkvist. Under bearbetning*	6	B	36	-	-	-	1				2 h Seminars2 h Seminars
ME2034 Management of New Technology and Industrial Creativity *Replaces 4D1059. Examinor: Staffan Laestadius. Under bearbetning*	6	C	36	8	-	-		2			8 h Seminars8 h Seminars
ME2035 Globalization of Industry and Technology, Advanced Course *Replaces 4D1069- Examiner: Pär Blomkvist. Under bearbetning*	6	D	24	8	-	-				4	8 h Seminars8 h Seminars
ME2037 Project Management* *Replaces 4D1402. Examiner: Örjan Wikforss Under bearbetning*	6	B	16	-	-	-	1				12 h Seminars, 8 h Study visit12 h Seminars, 8 h Study visit
ME2038 IT Management* *Replaces 4D1403. Examiner Örjan Wikforss Under bearbetning*	6	C	20	-	-	-		2			6 h Seminars, 6 h Study visit6 h Seminars, 6 h Study visit

ME2039 Knowledge Management *Replaces 4D1306. Examiner Örjan Wikforss Under bearbetning*	6	D	18	12	-	-				4	12 h Seminars12 h Seminars
ME2048 Industrial Sweden - from Local to Global Change *Replaces 4D1078. Examiner: Maria Hammarén. Under bearbetning*	6	D	24	-	-	-		2			
Elective Courses											
ME2029 Finance *Replaces 4D1166. Examiner: Tomas Sörensson. Under bearbetning*	6	B	30	12	-	-		2			4 h Seminars4 h Seminars

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Lightweight Structures P3

Among the conditionally elective courses either SD2505+SD2450 or SD2432 have to be studied. SD2414 is compulsory for the student who has not studied SD2410.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		
SF1861 Optimization for T *Replaces 5B1762.*	6	C	28	16	-	8				4	
Conditionally Elective Courses											
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	

Lightweight Structures P4

Among the conditionally elective courses either SD2505+SD2450 or SD2432 have to be studied. SD2414 is

compulsory for the student who has not studied SD2410.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2413 Fibre Composites - Analysis and Design *Replaces 4E1113.*	6	D	52	-	-	6		2			
SD2414 Fiber Composites - Materials and Manufacturing *Replaces 4E1114.*	6	C	40	-	-	8			3	4	
SD2415 Process Modelling for Composite Manufacturing *Replaces 4E1115.* *Not given 07/08.*	6	D	18	-	-	18					
SD2416 Structural Optimisation and Sandwich Design *Replaces 4E1116.*	6	D	40	-	-	18			3		
Conditionally Elective Courses											
SD2432 Lightweight Design* *Replaces 4E1132.*	20	D	-	-	336	-	1	2	3	4	
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	
SD2505 Biomaterials and Products *Replaces 4E1112.*	7	C	56	-	-	18	1	2			

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Design and Product Realisation

Machine Design P3

In the 4th year you have 14 cr (21 hp) of optional courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MF2018 Tribology *Replaces 4F2018*	6	C	-	-	30	5		2			
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				

SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1					
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3			
SE1128 Solid Mechanics for Machine Design *Replaces 4C1128.*	6	C	24	24	-	-				4		
Conditionally Elective Courses												
MF102X Degree project in Design and Product Realization (Bachelor of Science)	15	C	-	-	-	-			3	4		
Recommended Courses												
SE2119 Finite Element Method, Project Course *Replaces 4C1119. Given at request.*	3	D	-	-	-	-						

Machine Design P4

In the 4th year you have 14 cr (21 hp) of optional courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
MF2004 Advanced Machine Design	18	D	-	-	-	-		2	3	4	
MF2006 Innovative Design II *Replaces 4F1906*	6	D	24	48	-	-	1				
MF2010 Component Design	6	C	12	16	-	2	1				

MF2011 Systems Engineering Construction	9	D	-	-	32	8		2	3		
Recommended Courses											
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827*	9	C	-	-	72	-	1	2			
MF2013 Introduction to Fluid Power *Replaces 4F1340*	6	C	24	24	-	9		2			
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
MF2021 Environmentally Adapted Product Design *Replaces 4F1641 80% participation.*	6	C	-	-	42	-			3		
MF2022 Eco Design Project* *Replaces 4F1643*	6	C	-	-	-	-	1	2	3	4	
MF2024 Robust and Probabilistic Design *The course is given in spring term 2009.*	6	A	30	-	-	-					
MF3019 Applied Experimental Methodology	7,5	D	-	-	-	-	1	2	3	4	
MG1001 Manufacturing *Replaces 4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
SE2116 Dynamic Problems in Solid Mechanics *Replaces 4C1116.*	6	D	42	-	-	8		2	3		

SE2121 Introduction to Biomechanics *Replaces 4C1121.*	9	C	48	-	-	8				4	
SE2122 Applied Solid Mechanics *Replaces 4C1122.*	9	D	28	16	-	24	1	2			
SE2123 Testing Techniques in Solid Mechanics *Replaces 4C1123.*	6	D	24	-	-	24				4	
SE2125 Solid Mechanics Modelling for Design *Replaces 4C1125.*	9	D	60	-	-	12				4	
SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Mechanics P3

A minimum of 22,5 credits of the conditionally elective courses have to be studied, of which at least 15 credits have to be on D-level courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
SG1220 Fluid Mechanics for Engineers *Replaces 5C1220.*	6	B	24	10	-	6	1				7 h Seminars7 h Seminars
Conditionally Elective Courses											
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	

Mechanics P4

A minimum of 22,5 credits of the conditionally elective courses have to be studied, of which at least 15 credits have to be on D-level courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											

SG2150 Rigid Body Dynamics *Replaces 5C1150.*	7	D	-	30	-	-	1				
SG2214 Fluid Mechanics *Under bearbetning*	7,5	C	-	30	30	3	1				
Conditionally Elective Courses											
SG2122 Continuum Mechanics *Replaces 5C1122* *Under bearbetning*	6	C	42	-	-	-	1				
SG2123 Mathematical Methods of Mechanics, General Course *Replaces 5C1123.*	6	D	36	-	-	-		2			
SG2125 Mathematical Methods of Mechanics, Intermediate Course *Ersätter 5C1125.* *Under bearbetning*	3	D	-	-	-	-			3		
SG2126 Nonlinear Dynamics in Mechanics *Replaces 5C1400.* *Under bearbetning*	7,5	C	24	-	-	-			3		
SG2151 Modern Multibody Dynamics *Replaces 5C1151.*	8	D	30	-	-	-		2			
SG2211 Vehicle Aerodynamics *Replaces 5C1211.*	6	C	28	-	-	4				4	8 h Seminars8 h Seminars
SG2212 Computational Fluid Dynamics *Replaces 5C1212.*	7,5	D	-	-	50	10			3		
SG2213 Applied Computational Fluid Dynamics *Replaces 5C1213.*	3	D	-	-	16	14				4	
SG2215 Compressible Flow *Replaces 5C1215.*	7,5	D	-	-	52	9		2			
SG2218 Turbulence *Replaces 5C1218.*	7,5	D	-	-	36	3			3	4	
SG2219 Advanced Compressible Flows *Replaces 5C1219.*	7,5	D	-	-	48	-			3	4	
SG2221 Wave Motions and Hydrodynamic Stability *Replaces 5C1221.*	7,5	D	-	-	42	3		2			

SG2850 Finite Element Methods *Replaces 5C1850.*	7,5	D	33	-	-	-	1				33 h Workshop33 h Workshop
SG2860 FEM Modelling *Replaces 5C1860.*	8	D	33	-	-	-		2			33 h Workshop33 h Workshop

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Mechatronics P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1321 Applied Programming and Computer Science *Replaces 2D1321.*	9	B	38	20	-	32		2	3		
EL1120 Automatic Control, General Course *Replaces 2E1212*	6	C	24	26	-	12		2			
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
Conditionally Elective Courses											
MF107X Degree project in Design and Product Realization (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h

Mechatronics P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
MF2003 Mechatronics, Advanced Course *Replaces 4F1903*	18	D	-	-	-	-			3	4	
MF2007 Dynamics and Motion Control *Replaces 4F1907*	9	D	26	24	-	-	1				Workshop 12 h
MF2008 Embedded Control Systems *Replaces 4F1908*	9	D	12	18	-	30		2			
Conditionally Elective Courses											
MF204X Master's Project in Mechatronics	30	C	-	-	-	-					
MF209X Master Project in Mechatronics for doctorate students	30	C	-	-	-	-	1	2	3	4	8 h Seminars8 h Seminars

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Naval Systems P3

One of the courses SG1217 and SG1220 has to be studied. From the recommended courses at least 11 credits have to be finished.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		
Conditionally Elective Courses											
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	
SG1217 Fluid Mechanics, Basic Course *Replaces 5C1217.*	6	B	24	10	-	6			3		7 h Seminars7 h Seminars
SG1220 Fluid Mechanics for Engineers *Replaces 5C1220.*	6	B	24	10	-	6	1				7 h Seminars7 h Seminars

Naval Systems P4

One of the courses SG1217 and SG1220 has to be studied. From the recommended courses at least 11 credits have to be finished.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2702 Naval Design* *Replaces 4E1402. Primarily aimed for MSY students.*	20	D	-	336	-	-	1	2	3	4	
SD2703 Marine Dynamics *Replaces 4E1403.*	8	D	-	-	-	-	1	2			
SD2704 Hull Structural Design	5	D	-	-	-	-		2			
Conditionally Elective Courses											
SD2701 Introduction to Naval Architecture *Replaces 4E1401.*	8	C	-	-	-	-			3		
Recommended Courses											
EH2010 Management of Technology *Replaces 2C1224*	7,5	D	32	20	-	-	1				
SD2413 Fibre Composites - Analysis and Design *Replaces 4E1113.*	6	D	52	-	-	6		2			
SD2414 Fiber Composites - Materials and Manufacturing *Replaces 4E1114.*	6	C	40	-	-	8			3	4	
SD2416 Structural Optimisation and Sandwich Design *Replaces 4E1116.*	6	D	40	-	-	18			3		
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	
SG2212 Computational Fluid Dynamics *Replaces 5C1212.*	7,5	D	-	-	50	10			3		
SG2213 Applied Computational Fluid Dynamics *Replaces 5C1213.*	3	D	-	-	16	14				4	

SG2214 Fluid Mechanics *Under bearbetning*	7,5	C	-	30	30	3	1					
SG2221 Wave Motions and Hydrodynamic Stability *Replaces 5C1221.*	7,5	D	-	-	42	3		2				
SG2223 Fluid Mechanics *Replaces 5C1223.*	9	C	32	-	32	3			3	4		

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Solid Mechanics P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		
Conditionally Elective Courses											
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	

Solid Mechanics P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											

SE2122 Applied Solid Mechanics *Replaces 4C1122.*	9	D	28	16	-	24	1	2			
SE2126 Material Mechanics *Replaces 4C1126.*	9	D	60	-	-	15	1	2			
Conditionally Elective Courses											
SE2116 Dynamic Problems in Solid Mechanics *Replaces 4C1116.*	6	D	42	-	-	8		2	3		
SE2121 Introduction to Biomechanics *Replaces 4C1121.*	9	C	48	-	-	8				4	
SE2123 Testing Techniques in Solid Mechanics *Replaces 4C1123.*	6	D	24	-	-	24				4	
SE2125 Solid Mechanics Modelling for Design *Replaces 4C1125.*	9	D	60	-	-	12				4	
SE2127 Packaging Materials *Replaces 4C1127.*	7,5	D	36	-	-	12			3		
SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work

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Previous academic year (06/07) Next academic year (08/09)

Design and Product Realisation

Sound, Vibrations and Signals P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
SD2125 Signals and Mechanical Systems *Replaces 4B1121.*	6	D	24	8	-	4		2			Computer exercises 14 h. Written test 4 h.
Conditionally Elective Courses											
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	

Sound, Vibrations and Signals P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											

SD2140 Vibro Acoustics *Replaces 4B1127.*	8	D	-	56	-	-	1	2			
SD2150 Experimental Structure Dynamics, Project Course *Replaces 4B1132.*	9	D	-	36	24	8		2	3		
SD2155 Flow Acoustics *Replaces 4B1136.*	6	D	-	48	-	8			3		
Recommended Courses											
SD2165 Acoustical Measurements *Replaces 4B1166.*	8	D	-	-	16	20	1	2			
SD2170 Energy Methods *Replaces 4B1168.*	6	D	-	-	28	-				4	
SD2175 Numerical Methods for Acoustics and Vibration *Replaces 4B1170.*	9	D	-	-	36	-			3		
SD2180 Non-linear Acoustics *Replaces 4B1172, Not given 07/08.*	6	D	-	-	28	-					
SD2185 Ultrasonics *Replaces 4B1174. Not given 07/08.*	6	D	-	-	24	-					
SD2190 Vehicle Acoustics and Vibration *Replaces 4B1176. Not given 07/08.*	6	D	-	-	24	-					

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Design and Product Realisation

Sustainable Energy Technolgoy P3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF1014 Design and Product Realization C *Replaces 4F1814*	9	C	16	24	-	42	1	2			20 h WorkshopProject work 20 h Workshop
MH1005 Structural Materials *Replaces 4H1068*	6	B	36	-	-	15	1				
MJ1401 Heat Transfer *Replaces 4A1601*	6	C	24	24	-	20		2			
MJ141X Degree Project in Design and Product Development, First Level	15	C	-	-	-	-			3	4	
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
SG1217 Fluid Mechanics, Basic Course *Replaces 5C1217.*	6	B	24	10	-	6			3		7 h Seminars7 h Seminars
Conditionally Elective Courses											
MJ142X Degree Project in Vehicle Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h

Sustainable Energy Technolgoy P4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											

MJ2405 Sustainable Power Generation *Replaces 4A1605*	9	D	50	30	-	12	1	2				
MJ2407 Sustainable Energy Utilisation *Replaces 4A1607*	9	D	-	-	72	16	1	2				
MJ2409 Applied Energy Technology - Project Course *Replaces 4A1609*	9	D	12	-	-	-			3	4	Project 78h	
MJ2411 Renewable Energy Technology *Replaces 4A1611*	6	D	-	-	52	-	1				Study visit 8h	
Conditionally Elective Courses												
MJ2412 Renewable Energy Technology, Advanced Course *Replaces 4A1612 Conditionally elective for Power Generation. MJ2412 or MJ2427 has to be studied*	6	D	26	-	-	-			3		Study visit 4 h	
MJ2422 Thermal Comfort and Indoor Climate *Replaces 4A1622 Mandatory for Energy Utilisation*	6	D	54	-	-	-			3	4	Study visits 6h	
MJ2423 Applied Refrigeration and Heat Pump Technology *Replaces 4A1623 Mandatory for Energy Utilisation.*	6	D	24	24	-	16			3	4		
MJ2426 Applied Heat and Power Technology *Replaces 4A1626 Mandatory for Power Generation.*	6	D	36	12	-	8			3	4	Project assignment 8h	
MJ2427 Applied Reactor Technology and Nuclear Power Safety *Replaces 4A1627 One of the courses MJ2412 och MJ2427 has to be studied.*	6	D	48	-	-	-			3	4	Study visits 12h	
Recommended Courses												
MJ2410 Energy Management *Replaces 4A1610*	6	D	50	-	-	-		2	3			

MJ2413 Energy and Environment *Replaces* *4A1613* *Examinator:* *Björn Palm,* *Tel 790* *7453*	6	D	50	-	-	-			3	4	Study visit 6h
MJ2420 Combustion Theory *Replaces* *4A1620*	6	C	18	18	-	15	1	2			
MJ2421 Modelling of Thermodynamic Systems *Replaces* *4A1621*	6	D	16	-	-	32	1	2	3	4	The course is given upon agreement
MJ2424 Numerical Methods in Energy Technology *Replaces* *4A1624*	6	D	24	12	-	12	1	2			
MJ2425 Cooling of Electronics *The course will not be given in 07/08.* *Replaces* *4A1625*	6	D	-	-	48	-			3		
MJ2428 Advanced Nuclear Reactor Engineering *Replaces* *4A1628*	6	D	42	-	-	-				4	Study visits 18h
MJ2429 Fluid Machinery *Replaces* *4A1629*	6	C	30	18	-	12	1				
MJ2430 Thermal Fluid Machinery *REplaces* *4A1630*	6	D	36	12	-	12			3	4	

Previous academic year (06/07)

Next academic year (08/09)

Electrical Engineering

Electrical Engineering E2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DN1240 Numerical Methods, Basic Course II *Replaces 2D1240.*	6	A	24	14	-	14	1	2			
EI1200 Electromagnetic Field Theory	7,5	C	37	36	-	-	1	2			
EI1210 Wave Propagation and Antennas, E	7,5	G	37	36	-	-			3		
EQ1100 Signals and Systems, part II *Replaces 2E1313*	7,5	G	30	32	-	4				4	10 h Computer10 h Computer
IF1601 Physics part 1, Thermodynamics and Wave Physics *Replaces 2B1100* *Under bearbetning*	6	A	-	-	-	-			3		
SF1635 Signals and Systems, part I *Replaces 5B1209.*	7,5	A	34	-	26	-		2			
SF1901 Probability Theory and Statistics *Replaces 5B1501.*	6	A	24	36	-	-				4	
SG1102 Mechanics, Smaller Course *Replaces 5C1102.*	6	A	30	15	-	-	1				

Previous academic year (06/07)

Next academic year (08/09)

Electrical Engineering

Electrical Engineering E3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EJ1200 Electric Power Systems *Replaces 2C1240*	6	G	28	22	-	8		2			
EK1119 Measurement Technology *1,5 cr are studied during the second year and 3,5 cr during the third year. The course are studied by E04 and younger.* *Under bearbetning*	7,5	C	12	6	-	12	1	2			
EL1110 Automatic Control, General Course *Replaces 2E1211*	6	C	24	26	-	12		2			
IF1602 Physics part 2, Material Physics *Replaces 2B1101* *Under bearbetning*	6	A	-	-	-	-	1				
SF1851 Optimization for E *Replaces 5B1752.*	6	C	28	16	-	8	1				
Conditionally Elective Courses											

SI1141 Mathematical Methods in Physics, Course I *Replaces 5A1301. This course includes parts of the two courses "SI1140, Del 2" and "SI1141". The exam is identical with the one for "SI1140, Del2".*	6	A	26	28	-	-			3	4	
Elective Courses											
DD1334 Database Technology *Replaces 2D1334.*	6	C	24	20	-	12			3		
DN2220 Applied Numerical Methods I *Replaces 2D1220.*	6	C	36	-	-	14			3	4	
DT2212 Music Acoustics *Replaces 2F1212. Given every second year. Not given 07/08.*	7,5	D	-	-	48	8					
EG2040 Wind Power Systems *Replaces 2C1117.*	7,5	A	60	-	-	-			3	4	
EG2060 Electricity Market Analysis *Replaces 2C1119* *Under bearbetning*	7,5	A	70	-	-	-				4	
EI2450 Reliability Evaluation of Electrical Power Systems *Replaces 2C1135*	6	A	48	12	-	-				4	
EI2451 Reliability Evaluation of Electrical Power Systems	7,5	A	48	10	-	8		2			
EJ2400 Electric Traction *Replaces 2C1119* *Under bearbetning*	6	A	36	-	-	-				4	

ID2218 Design of Fault-tolerant Systems *Replaces 2B1454.* *Under bearbetning*	7,5	D	24	10	-	-				4	
IK2212 Communication Systems Architectures *Replaces 2G1707* *Under bearbetning*	7,5	C	20	16	-	-				4	
IK2213 Network Services and Internet-based Applications *Replaces EP2150.* *Under bearbetning*	7,5	D	10	16	-	-				4	Group projects.
IK2501 Wireless Transmission Techniques *Replaces 2E1514* *Under bearbetning*	6	D	26	26	-	-			3		
IL1203 Design of Digital Integrated Circuits - LSI *Replaces 2B1430* *Under bearbetning*	7,5	C	20	8	-	16				4	Project 16h.
MJ2663 Environmental Management *Replaces 3C1380*	6	C	10	-	-	-	1				Seminars 12 h

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Electrical Engineering

Electrical Engineering E4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
DD1334 Database Technology *Replaces 2D1334.*	6	C	24	20	-	12			3		
DD2387 Program System Construction Using C++ *Replaces 2D1387.*	6	C	18	6	-	32	1	2			
DD2390 Internet Programming *Replaces 2D1390.*	6	C	18	-	-	32		2			
DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1				
DH2622 Human-Computer Interaction, Advanced Course with Prototyping *Replaces 2D1622.*	9	C	18	5	-	8		2			
DN2220 Applied Numerical Methods I *Replaces 2D1220.*	6	C	36	-	-	14			3	4	
DT2212 Music Acoustics *Replaces 2F1212. Given every second year. Not given 07/08.*	7,5	D	-	-	48	8					
DT2400 Electroacoustics *Replaces 2F1400.*	7,5	C	34	12	-	8	1				
DT2410 Audio Technology *Replaces 2F1410.*	7,5	D	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift

ED2220 Experimental Fusion Plasma Physics *Replaces 2A1190*	6	A	16	8	-	12	1					
ED2230 Chaos and Self-organization *Replaces 2A1170*	6	A	24	12	-	-	1					
EG2040 Wind Power Systems *Replaces 2C1117.*	7,5	A	60	-	-	-			3	4		
EG2060 Electricity Market Analysis *Replaces 2C1119* *Under bearbetning*	7,5	A	70	-	-	-				4		
EH2010 Management of Technology *Replaces 2C1224*	7,5	D	32	20	-	-	1					
EH2030 Business Development and Quality Management *Replaces 2C1522*	7,5	A	36	10	-	-		2				
EI2450 Reliability Evaluation of Electrical Power Systems *Replaces 2C1135*	6	A	48	12	-	-				4		
EI2451 Reliability Evaluation of Electrical Power Systems	7,5	A	48	10	-	8		2				
EJ2400 Electric Traction *Replaces 2C1119* *Under bearbetning*	6	A	36	-	-	-				4		
EJ2410 Hybrid Vehicle Drives* *Replaces 2C1243*	7,5	A	-	-	-	-		2			3 course meetings. (LTH, CTH and KTH) Project work/ assignments in between the meetings.	
EJ2420 Seminars in Electrical Machines and Power Electronics *Replaces 2C1244*	1,5	A	16	-	-	-	1	2				
EJ2420 Seminars in Electrical Machines and Power Electronics *Replaces 2C1244*	1,5	A	16	-	-	-			3	4		
EL1820 Modelling of Dynamical Systems *Replaces 2E1282*	6	A	24	24	-	12				4		
EN2500 Information Theory and Source Coding	7,5	D	36	12	-	-			3			

EQ2810 Estimation Theory, Accelerated Program Course *Given next time Fall 2007.* *Under bearbetning*	6	A	20	-	-	-	1					
EQ2820 Matris Algebra, Accelerated Program *Replaces 2E1360*	7,5	A	28	-	-	-				4		
EQ2830 Detection and Modulation Theory, Accelerated Program *Replaces 2E1434* *Under bearbetning*	7,5	A	21	-	-	-		2				
EQ2840 Information Theory and Channel Coding, Accelerated Program *Replaces 2E1438* *Under bearbetning*	7,5	A	21	-	-	-				4		
EQ2850 Coding for Wireless Communications, Accelerated Program *Under bearbetning*	7,5	A	24	-	-	-		2				
ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3			
ID2204 Constraint Programming *Replaces 2G1515* *Under bearbetning*	7,5	D	24	-	-	-				4	Project work 10 hours	
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2				
ID2206 Operating Systems *Replaces 2G1520* *Under bearbetning*	7,5	C	28	12	-	-				4		
ID2212 Network Programming with Java *Under bearbetning*	7,5	D	22	10	-	10		2				
ID2213 Logic Programming *Replaces 2G1530* *Under bearbetning*	7,5	D	16	12	-	-	1				Individual work on project and group presentation 4h	
ID2218 Design of Fault-tolerant Systems *Replaces 2B1454.* *Under bearbetning*	7,5	D	24	10	-	-				4		

IH2651 Semiconductor Theory and Device Physics, General Course *Replaces 2B1260 Can only be studied of the E-students who have not studied 2B1252.* *Under bearbetning*	7,5	D	30	10	-	8		2				Individual assignments 20h
IH2652 Methods and Instruments of Analysis* *Replaces 2B1221* *Under bearbetning*	7,5	D	24	-	-	24		2				
IK2212 Communication Systems Architectures *Replaces 2G1707* *Under bearbetning*	7,5	C	20	16	-	-				4		
IK2213 Network Services and Internet-based Applications *Replaces EP2150.* *Under bearbetning*	7,5	D	10	16	-	-				4		Group projects.
IK2501 Wireless Transmission Techniques *Replaces 2E1514* *Under bearbetning*	6	D	26	26	-	-			3			
IL1203 Design of Digital Integrated Circuits - LSI *Replaces 2B1430* *Under bearbetning*	7,5	C	20	8	-	16				4		Project 16h.
IL2209 Advanced Logic Design *Replaces 2B1456* *Under bearbetning*	7,5	D	24	6	-	-			3			
IV1200 System Modelling and Simulation *Replaces 2G1531* *Under bearbetning*	7,5	C	20	16	-	10	1					12 h Projektuppgift12 h Projektuppgift
MJ1500 Technology and Ecosystems *Replaces 3C1330*	6	A	22	3	-	-	1					
MJ1500 Technology and Ecosystems *Replaces 3C1330*	6	A	22	3	-	-		2				

MJ2651 Ecology, Advanced Course *Replaces 3C1356*	6	C	21	4	-	-			3	4	Field work 8h
MJ2663 Environmental Management *Replaces 3C1380*	6	C	10	-	-	-	1				Seminars 12 h
MJ2691 Technology and Sustainable Development *Replaces 3C1396*	6	C	8	9	-	-		2			
SD2224 Vehicle Systems for a Better Environment* *Replaces 4B1424. There are 50 places to be shared among universities engaged in this set of courses.*	8	C	26	20	-	8	1				
SD2228 Environmental Friendly Vehicle - Project Course* *Replaces 4B1428. Not given Spring 2008.*	8	D	10	20	-	-					Assignment work 40h Presentations 10h
SI1150 Introduction to Quantum Mechanics *Replaces 5A1320. Not given 07/08. SI2170 can be studied instead.*	6	C	30	24	-	-					
SI1161 Statistical Physics *Replaces 5A1340.*	6	C	32	24	-	-	1	2			

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Electrical Engineering

Biomedical Engineering E3

At least three of the conditionally elective courses have to be studied and 20 cr elective courses within the specialization. Only two of the courses 5A1414, 7E1112, 7E1113, 7E1114 and 7E1115 are allowed to be studied within the specialization.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
IH1611 Semiconductor Devices *Replaces 2B1252* *Under bearbetning*	7,5	C	32	10	-	12				4	

*The course has limited participation

Biomedical Engineering E4

At least three of the conditionally elective courses have to be studied and 20 cr elective courses within the specialization. Only two of the courses 5A1414, 7E1112, 7E1113, 7E1114 and 7E1115 are allowed to be studied within the specialization.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars

HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1					
Elective Courses												
DD2426 Robotics and Autonomous Systems* *Replaces 2D1426.*	7,5	D	16	-	-	60				4		
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3			
DD2433 Artificial Neural Networks, Advanced Course *Replaces 2D1433.*	6	D	16	-	-	8				4	4 h Seminars4 h Seminars	
DD2435 Mathematical Modelling of Biological Systems *Replaces 2D1435.*	9	D	26	-	-	20	1	2				
DD2436 Modelling of Processes in Cell Biology *Replaces 2D1436.*	6	D	16	-	-	16	1					
DD2450 Algorithmic Bioinformatics *Replaces 2D1450.*	6	D	36	-	-	-				4		
DT2112 Speech Technology *Replaces 2F1112.*	7,5	C	36	14	-	6			3			
EK2260 Measurement Systems, Project Course* *Replaces 2E1126*	6	A	6	-	-	50			3			
EK2350 Microsystem Technology* *Replaces 2E1135*	7,5	D	28	-	-	40				4	Industry Site Visit 4h	
EN2100 Sound Perception *Replaces 2E1390.*	7,5	A	24	12	-	4	1				20 h Projektuppgift20 h Projektuppgift	
EN2200 Pattern Recognition *Replaces 2E1395.*	6	A	24	24	-	-	1				24 h Projektuppgift24 h Projektuppgift	
EQ2300 Digital Signal Processing *Replaces 2E1340*	7,5	A	26	16	-	8		2				
EQ2310 Digital Communications *Replaces 2E1432*	9	A	32	32	-	18	1	2				
HL1000 Quality and Regulatory Aspects on Medical Devices	3	D	20	-	-	-			3	4		
HL1009 Neuroscience*	7,5	C	50	-	-	20				4		
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars	

HL2002 Medical Instrumentation and Signal Processing*	6	D	30	-	-	6			3	4	
HL2003 Radiation Physics and Biology	6	D	36	-	-	-				4	
HL2004 Engineering in Intensive Care and Anesthesia*	6	D	12	-	-	-			3	4	30 + 10h (field work with oral and written report)
HL2005 Implants and Biomaterials*	6	D	25	-	-	-			3	4	
IH2653 Simulation of Semiconductor Devices *Replaces 2B1248* *Under bearbetning*	7,5	D	24	-	-	32		2			
IH2655 Design and Characterisation of Nano- and Microdevices* *Replaces 2B1242* *Under bearbetning*	7,5	D	24	-	-	32			3		
SH2310 Radiation Detectors and Medical Imaging Systems *Replaces 5A1414.*	7,5	D	24	-	-	15			3	4	6 h Seminars, 20 h Study visit6 h Seminars, 20 h Study visit

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Electrical Engineering

Communication Systems E3

At least three of the conditionally elective courses have to be studied and 20 cr elective courses within the specialization.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	
EP1100 Data Communications and Computer Networks *Replaces 2E1616* *Given at Campus Valhallavägen* *Under bearbetning*	7,5	G	24	18	-	4			3		
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IS1200 Computer Hardware Engineering *Under bearbetning*	7,5	B	-	-	-	-			3	4	
Elective Courses											
EP2120 Internetworking *Replaces 2E1605* *Under bearbetning*	7,5	A	20	20	-	-			3		

Communication Systems E4

At least three of the conditionally elective courses have to be studied and 20 cr elective courses within the specialization.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	

EP1100 Data Communications and Computer Networks *Replaces 2E1616* *Given at Campus Valhallavägen* *Under bearbetning*	7,5	G	24	18	-	4			3			
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3			
IK2500 Radio Communication, Basic Course *Replaces 2E1511* *Under bearbetning*	6	D	24	24	-	8	1					
Elective Courses												
EN2200 Pattern Recognition *Replaces 2E1395.*	6	A	24	24	-	-	1				24 h Projektuppgift24 h Projektuppgift	
EN2300 Speech Signal Processing *Replaces 2E1400.*	6	D	24	24	-	-		2				
EN2400 Image Processing *Replaces 2E1405*	6	D	24	24	-	-				4		
EP2120 Internetworking *Replaces 2E1605* *Under bearbetning*	7,5	A	20	20	-	-			3			
EP2200 Queuing Theory and Teletraffic Systems *The course replaces 2E1618.*	7,5	C	24	24	-	-		2				
EP2300 Management of Networks and Networked Systems *The course replaces 2E1632.* *Under bearbetning*	7,5	A	20	-	-	20				4	Project	
EQ2300 Digital Signal Processing *Replaces 2E1340*	7,5	A	26	16	-	8		2				
EQ2310 Digital Communications *Replaces 2E1432*	9	A	32	32	-	18	1	2				
EQ2400 Adaptive Signal Processing *Replaces 2E1350*	6	A	24	14	-	-			3			
EQ2410 Advanced Digital Communications *Replaces 2E1436*	6	A	26	26	-	-			3			

EQ2420 Antenna Theory *Replaces* *2H1260* *Under bearbetning*	7,5	A	26	24	-	18			3		
EQ2430 Project Course in Signal Processing and Digital Communication *Replaces* *2E1367*	12	D	10	-	50	-				4	Project work 8 cr.
EQ2450 Seminars in Signals, Sensors and Systems *Replaces* *2E1380*	3	A	-	-	-	-			3	4	16 h Seminars16 h Seminars
IK2502 Wireless Networks* *Replaces* *2E1512* *Under bearbetning*	12	D	30	24	-	12				4	80 h Projektuppgift80 h Projektuppgift
IK2555 Wireless and Mobile Network Architectures *Replaces* *2G1330* *Under bearbetning*	7,5	D	10	-	-	-			3		Assigned paper 50h
IL2219 Radio Electronics *Replaces* *2B1600* *Under bearbetning*	7,5	D	26	12	-	16				4	
IT2651 Microwave Engineering *Replaces* *2B1812* *Under bearbetning*	7,5	D	36	18	-	10		2			

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Electrical Engineering

Electrical Engineering E3

At least three of the conditionally elective courses have to be studied and 20 cr elective courses within the specialization.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
EG2020 Power Systems, Basic Course *Replaces 2C1115*	7,5	A	-	-	70	-			3		
EI2333 Electrotechnical Modelling *Replaces 2C1133*	7,5	A	38	26	-	-		2		4	Computer workshop 28 h
EL1820 Modelling of Dynamical Systems *Replaces 2E1282*	6	A	24	24	-	12				4	
SI1141 Mathematical Methods in Physics, Course I *Replaces 5A1301. This course includes parts of the two courses "SI1140, Del 2" and "SI1141". The exam is identical with the one for "SI1140, Del2".*	6	A	26	28	-	-			3	4	
Elective Courses											
EG2020 Power Systems, Basic Course *Replaces 2C1115*	7,5	A	-	-	70	-	1				

Electrical Engineering E4

At least three of the conditionally elective courses have to be studied and 20 cr elective courses within the specialization.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
EG2020 Power Systems, Basic Course *Replaces 2C1115*	7,5	A	-	-	70	-	1				
EI2333 Electrotechnical Modelling *Replaces 2C1133*	7,5	A	38	26	-	-		2		4	Computer workshop 28 h
SF1628 Complex Analysis *Replaces 5B1201.*	6	C	40	20	-	-			3		
Elective Courses											
ED2200 Energy and Fusion Research *Replaces 2A1151*	6	A	26	12	-	-				4	
ED2210 Electromagnetic Processes in Dispersive Media *Replaces 2A1145*	6	A	24	6	-	-			3		
EF2200 Plasma Physics *Replaces 2A1131*	6	A	48	12	-	-	1	2			
EF2210 Plasma Physics, Supplementary Course *Replaces 2A1137* *Under bearbetning*	3	A	12	-	-	-			3		
EG2030 Power Systems, Advanced Course *Replaces 2C1116*	7,5	A	-	-	70	-		2			
EG2050 Systems Planning *Replaces 2C1118.* *Under bearbetning*	7,5	A	64	-	-	3			3		
EH2020 Industrial Control and Information Systems *Replaces 2C1521*	7,5	A	18	-	-	-		2			18 h Seminars18 h Seminars
EH2040 Industrial Information Systems, Systems Engineering* *Replaces 2C1228*	7,5	A	24	-	-	-			3		
EH2050 Industrial Information Systems, Case Studies* *Replaces 2C1229*	7,5	A	24	-	-	-				4	

EI2400 Applied Antenna Theory *Replaces* *2A1830*	7,5	A	30	-	-	14				4		
EI2410 Field Theory for Guided Waves	7,5	A	40	-	-	-	1	2			Projects 16 h	
EI2420 Electromagnetic Wave Propagation *Replaces* *2H1255*	7,5	A	56	-	-	-			3	4		
EI2430 High-voltage Engineering *Replaces* *2C1132*	7,5	A	26	12	-	12				4	Project 50 h	
EI2440 Electrotechnical Design *Replaces* *2C1134*	7,5	A	32	-	-	8			3			
EJ2200 Electrical Machines and Drives *Replaces* *2C1241*	7,5	A	30	20	-	12			3			
EJ2210 Analysis of Electrical Machines *Replaces* *2C1148*	7,5	A	24	24	-	-				4		
EJ2300 Power Electronics *Replaces* *2C1242*	7,5	A	28	20	-	12	1				1 design project	
EL2520 Control Theory and Practice, Advanced Course *Replaces* *2E1252*	7,5	D	28	26	-	10			3			
IH2661 Power Semiconductor Devices *Replaces* *2B1230* *Under bearbetning*	7,5	D	40	-	-	-			3		Project 40h	
IT2651 Microwave Engineering *Replaces* *2B1812* *Under bearbetning*	7,5	D	36	18	-	10		2				

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Electrical Engineering

Electronics E3

At least three of the conditionally elective courses have to be studied and 20 cr elective courses within the specialization.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IH1611 Semiconductor Devices *Replaces 2B1252* *Under bearbetning*	7,5	C	32	10	-	12				4	
IS1200 Computer Hardware Engineering *Under bearbetning*	7,5	B	-	-	-	-			3	4	

Electronics E4

At least three of the conditionally elective courses have to be studied and 20 cr elective courses within the specialization.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IH2657 Design of Nano Semiconductor Devices *Replaces 2B1246* *Under bearbetning*	7,5	D	-	-	-	-				4	
Elective Courses											

EK2350 Microsystem Technology* *Replaces 2E1135*	7,5	D	28	-	-	40				4	Industry Site Visit 4h
IH2653 Simulation of Semiconductor Devices *Replaces 2B1248* *Under bearbetning*	7,5	D	24	-	-	32		2			
IH2654 Nanoelectronics *Replaces 2B1234* *Under bearbetning*	9	D	30	10	-	8				4	
IH2655 Design and Characterisation of Nano- and Microdevices* *Replaces 2B1242* *Under bearbetning*	7,5	D	24	-	-	32			3		
IH2656 Advanced Semiconductor Materials *Replaces 2B1823* *Under bearbetning*	7,5	D	34	-	-	16			3		Study tour to a semiconductor industry
IH2661 Power Semiconductor Devices *Replaces 2B1230* *Under bearbetning*	7,5	D	40	-	-	-			3		Project 40h
IL2200 ASIC-design Methodology with High-level Languages *Replaces 2B1423* *Under bearbetning*	7,5	D	20	4	-	20		2			
IL2201 Design of Digital Integrated Circuits - VLSI *Replaces 2B1428* *Under bearbetning*	7,5	D	20	8	-	16			3	4	
IL2202 System Modelling *Replaces 2B1429* *Under bearbetning*	7,5	D	20	12	-	-			3		Exercises 12
IL2204 DSP-Construction with HDL *Replaces 2B1435* *Under bearbetning*	7,5	D	24	12	-	24			3		
IL2206 Embedded Systems *Replaces 2B1446*	7,5	C	24	8	-	16	1				

IL2207 System-On-Chip Architectures *Replaces* *2B1448* *Under bearbetning*	7,5	D	24	8	-	12		2				
IL2212 Embedded Software *Replaces* *2B1463* *Under bearbetning*	7,5	D	20	8	-	12			3			
IL2217 Digital Design with HDL *Replaces* *2B1513* *Under bearbetning*	7,5	D	22	10	-	28	1					
IL2219 Radio Electronics *Replaces* *2B1600* *Under bearbetning*	7,5	D	26	12	-	16				4		
IL2220 Low Power Analog and Mixed Signal ICs *Replaces* *2B1611* *Under bearbetning*	7,5	D	-	14	42	-				4		
IL2221 Advanced Topics in Mixed Mode Design *Replaces* *2B1670* *Under bearbetning*	7,5	D	24	-	-	-	1					12 h Projektuppgift12 h Projektuppgift
IM2651 Physics of Electronic Materials *Replaces* *2B1211* *Under bearbetning*	7,5	C	40	24	-	8	1					
IO2653 Fiber-optical Communication *Replaces* *2B1813* *Under bearbetning*	7,5	D	28	14	-	8			3			
IO2654 Optical Networking *Replaces* *2B1824* *Under bearbetning*	7,5	D	28	-	-	-				4		
IO2655 Photonics *Replaces* *2B1814* *Under bearbetning*	7,5	D	38	-	-	8				4		
IS1202 Computer Systems Architecture *Replaces* *2G1534* *Under bearbetning*	7,5	C	16	16	-	16				4	Homework 16h	

IS2206 Research Methods in Computer Systems Engineering *Replaces 2G1535* *Under bearbetning*	7,5	D	8	-	-	-			3		
IT2651 Microwave Engineering *Replaces 2B1812* *Under bearbetning*	7,5	D	36	18	-	10		2			

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Electrical Engineering

Systems Engineering E3

At least three of the conditionally elective courses have to be studied and 20 cr elective courses within the specialization.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	
EG2020 Power Systems, Basic Course *Replaces 2C1115*	7,5	A	-	-	70	-			3		
EL1820 Modelling of Dynamical Systems *Replaces 2E1282*	6	A	24	24	-	12				4	
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IS1200 Computer Hardware Engineering *Under bearbetning*	7,5	B	-	-	-	-			3	4	
Elective Courses											
EG2020 Power Systems, Basic Course *Replaces 2C1115*	7,5	A	-	-	70	-	1				

Systems Engineering E4

At least three of the conditionally elective courses have to be studied and 20 cr elective courses within the specialization.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	

EG2020 Power Systems, Basic Course *Replaces 2C1115*	7,5	A	-	-	70	-	1				
EL1820 Modelling of Dynamical Systems *Replaces 2E1282*	6	A	24	24	-	12				4	
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
Elective Courses											
DD2422 Image Analysis and Computer Vision *Replaces 2D1422.*	6	C	30	2	-	20			3		
DD2426 Robotics and Autonomous Systems* *Replaces 2D1426.*	7,5	D	16	-	-	60				4	
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3		
EG2030 Power Systems, Advanced Course *Replaces 2C1116*	7,5	A	-	-	70	-		2			
EG2050 Systems Planning *Replaces 2C1118.* *Under bearbetning*	7,5	A	64	-	-	3			3		
EH2020 Industrial Control and Information Systems *Replaces 2C1521*	7,5	A	18	-	-	-		2			18 h Seminars18 h Seminars
EH2040 Industrial Information Systems, Systems Engineering* *Replaces 2C1228*	7,5	A	24	-	-	-			3		
EH2050 Industrial Information Systems, Case Studies* *Replaces 2C1229*	7,5	A	24	-	-	-				4	
EJ2200 Electrical Machines and Drives *Replaces 2C1241*	7,5	A	30	20	-	12			3		
EK2260 Measurement Systems, Project Course* *Replaces 2E1126*	6	A	6	-	-	50			3		

EK2350 Microsystem Technology* *Replaces 2E1135*	7,5	D	28	-	-	40				4	Industry Site Visit 4h
EL1850 Modelling of Dynamical Systems, advanced course *Replaces 2E1285* *Under bearbetning*	3	C	-	-	-	30					
EL2420 Automatic Control, Project Course* *Replaces 2E1242*	12	A	10	-	-	50				4	
EL2450 Hybrid and Embedded Control Systems *Replaces 2E1245*	7,5	A	28	28	-	8			3		
EL2520 Control Theory and Practice, Advanced Course *Replaces 2E1252*	7,5	D	28	26	-	10			3		
EL2620 Nonlinear Control *Replaces 2E1262*	7,5	A	28	28	-	8		2			
EP2300 Management of Networks and Networked Systems *The course replaces 2E1632.* *Under bearbetning*	7,5	A	20	-	-	20				4	Project
EQ2300 Digital Signal Processing *Replaces 2E1340*	7,5	A	26	16	-	8		2			
EQ2310 Digital Communications *Replaces 2E1432*	9	A	32	32	-	18	1	2			
EQ2400 Adaptive Signal Processing *Replaces 2E1350*	6	A	24	14	-	-			3		
SF1628 Complex Analysis *Replaces 5B1201.*	6	C	40	20	-	-			3		
SF2852 Optimal Control Theory *Replaces 5B1873.*	7,5	D	36	18	-	-			3		Homework assignments

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Engineering Physics F2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DN1240 Numerical Methods, Basic Course II *Replaces 2D1240.*	6	A	24	14	-	14		2	3		
EI1240 Electromagnetic Theory, F *Replaces 2A1840*	9	A	51	50	-	-	1	2			
SE1055 Strength of Materials and Solid Mechanics, Basic Course *Replaces 4C1055.*	9	A	42	40	-	2			3	4	
SF1628 Complex Analysis *Replaces 5B1201.*	6	C	40	20	-	-			3		
SF1629 Differential Equations and Transforms II *Replaces 5B1202.*	9	A	60	30	-	-	1	2			
SG1113 Mechanics, Continuation Course *Replaces 5C1113.*	6	C	30	15	-	-	1	2			
SH1009 Modern Physics *Replaces 5A1247* *Under bearbetning*	10,5	B	44	30	-	14			3	4	
SI1140 Mathematical Methods in Physics *Replaces 5A1306.*	9	B	42	48	-	-	1		3	4	
Elective Courses											
DN1242 Numerical Analysis, Supplementary Course *Replaces 2D1242.*	1,5	B	14	-	-	-		2	3		

SF1650 Extended Complex Analysis and Differential Equations *Replaces 5B1216-18.*	6	C	-	-	-	-	1	2	3		
SF1909 Mathematical Statistics, Specialized Basic Course *Replaces 5B1509. Not given 07/08.*	1,5	C	-	12	-	-					
SF2703 Algebra, Basic Course *Replaces 5B1309. Under bearbetning*	6	C	-	-	42	-			3		
SI1142 Mathematical Methods in Physics, Supplementary Course *Under bearbetning*	3	C	12	12	-	-			3	4	
SI2920 Advanced Problems A *Replaces 5U1201. Under bearbetning*	6	C	-	48	-	-	1	2	3	4	

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Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Engineering Physics F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1344 Fundamentals of Computer Science *Replaces 2D1344.*	6	A	24	24	-	24		2	3		
EL1000 Automatic Control, General Course *Replaces 2E1200*	6	C	24	26	-	12	1				
IM2601 Solid State Physics *Replaces 2B1711* *Under bearbetning*	6	D	30	18	-	12			3	4	
SF1901 Probability Theory and Statistics *Replaces 5B1501.*	6	A	24	36	-	-	1				
SI1161 Statistical Physics *Replaces 5A1340.*	6	C	32	24	-	-	1	2			
Recommended Courses											
SF1831 Optimization and Markov Processes *Replaces 5B1717.*	9	C	40	34	-	-		2	3		
SG2223 Fluid Mechanics *Replaces 5C1223.*	9	C	32	-	32	3			3	4	
SI2170 Quantum Physics *Replaces 5A1328.* *Under bearbetning*	9	C	50	30	-	-			3	4	
Elective											

SF1811 Optimization for F *Replaces 5B1712.*	6	C	28	16	-	6			3		
SF1821 Optimization, Specialized Part of the Basic Course *Replaces 5B1713.*	1,5	C	8	-	-	-			3		
SH2101 Subatomic Physics *Replaces 5A1400.*	6	C	36	-	-	-				4	
SI2370 Relativity Theory *Replaces 5A1384.*	7,5	C	30	30	-	-			3		
SI2510 Statistical Mechanics *Replaces 5A1390.*	7,5	D	30	30	-	-				4	
SI2920 Advanced Problems A *Replaces 5U1201.* *Under bearbetning*	6	C	-	48	-	-	1	2	3	4	
SI2921 Advanced Problems B *Replaces 5U1202.* *Under bearbetning*	6	D	-	36	-	-	1	2	3		

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Engineering Physics

Applied Mathematics F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
SF1831 Optimization and Markov Processes *Replaces 5B1717.*	9	C	40	34	-	-		2	3		
SF2950 Applied Mathematical Statistics *Replaces 5B1550.*	7,5	D	-	-	60	-			3		

Applied Mathematics F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
5B1455 Ordinary Differential Equations *Not given 07/08. Under bearbetning*	6	D	36	-	-	-					
5B1490 Chaotic Dynamical Systems *Not given 07/08. Under bearbetning*	7,5	D	36	-	-	-					
5B1491 Analytical and Numerical Methods for Partial Differential Equations *Not given 07/08. Under bearbetning*	7,5	D	36	-	-	-					
DD2257 Visualization *Replaces 2D1257.*	6	C	16	-	-	14			3		

DN2252 Numerical Algebra *Replaces 2D1252. Given every second year. Not given 07/08.*	10,5	C	36	-	-	12					
DN2253 Numerical Algebra, Methods for Large Matrices *Replaces 2D1253. Given every second year. Not given 07/08.*	7,5	D	24	-	-	6					
DN2255 Numerical Solutions of Differential Equations *Replaces 2D1255.*	7,5	D	30	-	-	8			3	4	
DN2258 Introduction to High Performance Computing* *Replaces 2D1258. Please note that the course starts in August. Will not be on the central schedule.*	7,5	C	40	-	-	40	1				
DN2260 The Finite Element Method *Replaces 2D1260.*	6	C	18	14	-	10	1				
DN2264 Parallell Computations for Large-Scale Problems, part 1 *Replaces 2D1264.*	6	C	24	-	-	12			3	4	
DN2265 Parallell Computations for Large-Scale Problems, part 2 *Replaces 2D1265.*	3	C	4	-	-	8				4	
DN2269 Mathematical Models, Analysis and Simulation, part 2 *Replaces 2D1269. Not given 07/08.*	7,5	D	42	-	-	12					

DN2274 Computational Electromagnetics *Replaces 2D1274. Not given 07/08. Not on the central schedule.*	7,5	D	24	-	-	8					
DN2290 Advanced Numerical Analysis *Replaces 2D1290. The course will not be on the central schedule.*	7,5	D	16	-	-	4				4	
DN2297 Advanced Individual Course in Scientific Computing *Replaces 2D1297. Course may start any time during the semester.*	6	D	-	-	-	-	1	2	3	4	
SF2700 Analysis, Basic Course *Replaces 5B1303.*	9	C	-	-	66	-			3	4	
SF2701 Financial Mathematics, Basic Course *Replaces 5B1306. Under bearbetning*	7,5	C	-	-	54	-				4	
SF2702 Wavelets *Replaces 5B1308. Given 07/08. Under bearbetning*	6	C	-	-	24	-	1	2			
SF2703 Algebra, Basic Course *Replaces 5B1309. Under bearbetning*	6	C	-	-	42	-			3		
SF2705 Fourier Analysis *Replaces 5B1466. Given 07/08. Under bearbetning*	7,5	D	-	-	36	-			3	4	

SF2709 Integration Theory *Replaces 4B1479. Given 07/08. Under bearbetning*	7,5	D	-	-	36	-	1	2			
SF2812 Applied Linear Optimization* *Replaces 5B1815.*	7,5	D	24	14	-	-	1				Project assignments
SF2827 Topics in Optimization *Replaces 5B1818. Under bearbetning*	7,5	D	12	6	-	-			3		Project assignments
SF2872 Mathematical Economics *Replaces 5B1852. Under bearbetning*	6	C	32	16	-	-		2			
SF2940 Probability Theory *Replaces 5B1540.*	7,5	C	24	24	-	-	1				
SF2945 Time Series Analysis *Replaces 5B1545.*	6	D	24	24	-	-		2			
SF2950 Applied Mathematical Statistics *Replaces 5B1550.*	7,5	D	-	-	60	-			3		
SF2955 Computer Intensive Methods in Mathematical Statistics *Replaces 5B1555. Given every second year*	7,5	D	-	-	48	-				4	
SF2960 Statistical Theory *Replaces 5B1560.*	6	D	-	-	48	-		2			
SF2970 Martingales and Stochastic Integrals *Replaces 5B1570.*	6	D	-	-	48	-	1				
SF2974 Portfolio Theory and Risk Management *Replaces 5B1574.*	6	D	30	12	-	-	1				
SF2975 Financial Derivatives *Replaces 5B1575.*	7,5	D	-	-	48	-			3	4	
SF2976 Portfolio Theory, Advanced Course *Replaces 5B1576.*	7,5	D	30	18	-	-		2			
SF2980 Risk Management *Replaces 5B1580.*	7,5	D	24	24	-	-		2			

SG2212 Computational Fluid Dynamics *Replaces 5C1212.*	7,5	D	-	-	50	10			3		

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Discrete Mathematics and Computer Science F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	
SF1630 Discrete Mathematics *Replaces 5B1203.*	9	C	60	30	-	-			3	4	
SF2703 Algebra, Basic Course *Replaces 5B1309.* *Under bearbetning*	6	C	-	-	42	-			3		

Discrete Mathematics and Computer Science F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other

Elective Courses											
5B1492 Linear Algebra, Advanced Course *Not given 07/08.* *Under bearbetning*	7,5	D	36	-	-	-					
DD1334 Database Technology *Replaces 2D1334.*	6	C	24	20	-	12			3		
DD1363 Software Engineering *Replaces 2D1363.*	12	D	40	-	-	-		2	3	4	
DD2257 Visualization *Replaces 2D1257.*	6	C	16	-	-	14			3		
DD2354 Algorithms and Complexity *Replaces 2D1354.*	6	C	30	18	-	-	1	2			
DD2377 Low Level Programming and Computer Architecture *Replaces 2D1377.*	7,5	C	28	-	-	24			3		
DD2380 Artificial Intelligence *Replaces 2D1380.*	6	C	24	12	-	30	1				
DD2381 Industrial Applications of Artificial Intelligence *Replaces 2D1381.*	6	C	36	-	-	-	1	2			
DD2387 Program System Construction Using C++ *Replaces 2D1387.*	6	C	18	6	-	32	1	2			
DD2390 Internet Programming *Replaces 2D1390.*	6	C	18	-	-	32		2			

DD2395 Computer Security *Replaces 2D1395.*	6	C	28	6	-	16	1				Seminars 2 h in per 2
DD2422 Image Analysis and Computer Vision *Replaces 2D1422.*	6	C	30	2	-	20			3		
DD2426 Robotics and Autonomous Systems* *Replaces 2D1426.*	7,5	D	16	-	-	60				4	
DD2427 Image Based Recognition and Classification *Replaces 2D1427.*	6	D	26	-	-	8				4	
DD2428 Geometric Computing and Visualization *Replaces 2D1428.* *Not given 07/08.*	6	D	26	-	-	8					
DD2431 Machine Learning *Replaces 2D1431.*	6	C	26	-	-	20		2			
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3		
DD2440 Advanced Algorithms *Replaces 2D1440.*	6	D	30	-	-	-		2			

DD2441 Seminars on Theoretical Computer Science *Replaces 2D1441. The course is given every second year and will not be given in 07/08.*	6	D	30	-	-	-					
DD2446 Complexity Theory *Replaces 2D1446. The course is given every second year and will be given in 07/08.*	6	D	30	-	-	-				4	
DD2447 Statistical Methods in Applied Computer Science *Replaces 2D1447.*	6	D	18	6	-	-			3	4	
DD2449 Foundations of Cryptography *Replaces 2D1449.*	6	D	30	-	-	-			3		
DD2450 Algorithmic Bioinformatics *Replaces 2D1450.*	6	D	36	-	-	-				4	
DD2458 Problem Solving and Programming under Pressure* *Replaces 2D1458.*	9	C	26	-	-	32	1	2			

DD2465 Advanced, Individual Course in Computer Science *Replaces 2D1465. The course can be studied any time during the semesters.*	6	D	-	-	-	-	1	2	3	4	
DD2469 Database Theory *Replaces 2D1469. The course is given every second year. It will be given 07/08.*	6	D	31	17	-	-	1				
DD2471 Modern Database Systems and Their Applications *Replaces 2D1471.*	7,5	D	26	8	-	-				4	
DD2483 Development of Web Applications with Enterprise Java *Replaces 2D1483.*	6	D	16	-	-	32			3		
DD2486 Systems Programming and Operating Systems *Replaces 2D1486.*	7,5	D	24	-	-	24		2			
DD2488 Compiler Construction *The course will not be given 07/08. Replaces 2D1488*	9	D	2	-	-	-					

DD2490 IP Routing in Simple Computer Networks *Replaces 2D1490.*	7,5	D	22	10	-	32				4	
DD2491 IP Routing in Internet and Other Complex Networks *Replaces 2D1491.*	7,5	D	22	8	-	32	1				
DH2323 Computer Graphics and Interaction *Replaces 2D1323. Allowed for all programmes except D.*	6	C	28	-	-	8				4	
DH2408 Evaluation Methods in Human-Computer Interaction *Replaces 2D1408. Given if there are at least 15 participants.*	6	D	16	10	-	-			3		
DH2413 Advanced Graphics and Interaction *Replaces 2D1413.*	9	D	46	-	-	12	1	2			
DH2416 Computer Support for Cooperative Work *Replaces 2D1416. Given if there are at least 15 participants.*	9	D	24	12	-	2			3	4	
DH2418 Language Engineering *Replaces 2D1418.*	6	D	40	-	-	12	1				

DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1				
DH2622 Human-Computer Interaction, Advanced Course with Prototyping *Replaces 2D1622.*	9	C	18	5	-	8		2			
DH2655 Cooperative IT-design *Replaces 2D1655.*	9	D	28	10	-	8			3	4	
DN2220 Applied Numerical Methods I *Replaces 2D1220.*	6	C	36	-	-	14			3	4	
EP1100 Data Communications and Computer Networks *Replaces 2E1616* *Given at Campus Valhallavägen* *Under bearbetning*	7,5	G	24	18	-	4			3		
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IC1004 Cognitive Psychology *Replaces 2I1130* *Under bearbetning*	6	A	30	12	-	-	1				
ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3		

IS1200 Computer Hardware Engineering *Under bearbetning*	7,5	B	-	-	-	-			3	4	
SF1642 Logic *Replaces 5B1928.* *Under bearbetning*	6	A	40	20	-	-				4	
SF2703 Algebra, Basic Course *Replaces 5B1309.* *Under bearbetning*	6	C	-	-	42	-			3		
SF2704 Topics in Mathematics I *Replaces 5B1458.* *Given ej 07/08.* *Under bearbetning*	7,5	D	-	-	36	-	1	2			
SF2705 Fourier Analysis *Replaces 5B1466.* *Given 07/08.* *Under bearbetning*	7,5	D	-	-	36	-			3	4	
SF2708 Combinatorics *Replaces 5B1475.* *Given 07/08.* *Under bearbetning*	7,5	D	-	-	36	-			3	4	
SF2715 Applied Combinatorics *Replaces 5B1305.* *Not given 07/08.*	6	C	-	-	42	-					

SF2716 Topics in Mathematics II *Ersätter 5B1459. Given 07/08. Under bearbetning*	7,5	D	36	-	-	-			3	4	
SF2812 Applied Linear Optimization* *Replaces 5B1815.*	7,5	D	24	14	-	-	1				Project assignments
SF2827 Topics in Optimization *Replaces 5B1818. Under bearbetning*	7,5	D	12	6	-	-			3		Project assignments

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Mathematics and Computer Science F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	
SF1630 Discrete Mathematics *Replaces 5B1203.*	9	C	60	30	-	-			3	4	
SF2700 Analysis, Basic Course *Replaces 5B1303.*	9	C	-	-	66	-			3	4	
SF2701 Financial Mathematics, Basic Course *Replaces 5B1306.* *Under bearbetning*	7,5	C	-	-	54	-				4	
SF2703 Algebra, Basic Course *Replaces 5B1309.* *Under bearbetning*	6	C	-	-	42	-			3		

Engineering Physics

Mathematics F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
SF1630 Discrete Mathematics *Replaces 5B1203.*	9	C	60	30	-	-			3	4	
SF2700 Analysis, Basic Course *Replaces 5B1303.*	9	C	-	-	66	-			3	4	

Mathematics F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
5B1455 Ordinary Differential Equations *Not given 07/08.* *Under bearbetning*	6	D	36	-	-	-					
5B1464 Topology *Not given 07/08.* *Under bearbetning*	7,5	D	36	-	-	-					
5B1470 Analytic Functions *Not given 07/08.* *Under bearbetning*	7,5	D	36	-	-	-					
5B1473 Elementary Differential Geometry *Not given 07/08.* *Under bearbetning*	7,5	D	36	-	-	-					
5B1490 Chaotic Dynamical Systems *Not given 07/08.* *Under bearbetning*	7,5	D	36	-	-	-					
5B1491 Analytical and Numerical Methods for Partial Differential Equations *Not given 07/08.* *Under bearbetning*	7,5	D	36	-	-	-					

5B1492 Linear Algebra, Advanced Course *Not given 07/08.* *Under bearbetning*	7,5	D	36	-	-	-						
SF1811 Optimization for F *Replaces 5B1712.*	6	C	28	16	-	6			3			
SF2703 Algebra, Basic Course *Replaces 5B1309.* *Under bearbetning*	6	C	-	-	42	-			3			
SF2704 Topics in Mathematics I *Replaces 5B1458.* *Given ej 07/08.* *Under bearbetning*	7,5	D	-	-	36	-	1	2				
SF2705 Fourier Analysis *Replaces 5B1466.* *Given 07/08.* *Under bearbetning*	7,5	D	-	-	36	-			3	4		
SF2706 Algebra, Advanced Course *Replaces 5B1467.* *Given 07/08.* *Under bearbetning*	7,5	D	-	-	36	-	1	2				
SF2707 Functional Analysis *Replaces 5B1472.* *Given 07/08.* *Under bearbetning*	7,5	D	-	-	36	-			3	4		
SF2708 Combinatorics *Replaces 5B1475.* *Given 07/08.* *Under bearbetning*	7,5	D	-	-	36	-			3	4		
SF2709 Integration Theory *Replaces 4B1479.* *Given 07/08.* *Under bearbetning*	7,5	D	-	-	36	-	1	2				
SF2716 Topics in Mathematics II *Ersätter 5B1459.* *Given 07/08.* *Under bearbetning*	7,5	D	36	-	-	-			3	4		

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Previous academic year (06/07) Next academic year (08/09)

Engineering Physics

Optimization and Systems Theory F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
DN2220 Applied Numerical Methods I *Replaces 2D1220.*	6	C	36	-	-	14			3	4	
SF1831 Optimization and Markov Processes *Replaces 5B1717.*	9	C	40	34	-	-		2	3		

Optimization and Systems Theory F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
AH2204 Advanced Transport Modelling *Replaces 1N1154. (prior level D)*	7,5	A	24	8	-	12				4	Seminar 6h
DD1334 Database Technology *Replaces 2D1334.*	6	C	24	20	-	12			3		
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	
EL2520 Control Theory and Practice, Advanced Course *Replaces 2E1252*	7,5	D	28	26	-	10			3		
SF2700 Analysis, Basic Course *Replaces 5B1303.*	9	C	-	-	66	-			3	4	
SF2812 Applied Linear Optimization* *Replaces 5B1815.*	7,5	D	24	14	-	-	1				Project assignments

SF2822 Applied Nonlinear Optimization *Replaces 5B1817.*	7,5	D	24	14	-	-		2			Project assignments
SF2827 Topics in Optimization *Replaces 5B1818.* *Under bearbetning*	7,5	D	12	6	-	-			3		Project assignments
SF2832 Mathematical Systems Theory *Replaces 5B1742*	7,5	D	36	18	-	-	1				
SF2842 Geometric Control Theory *Replaces 5B1823.*	7,5	D	36	18	-	-		2			Homework assignments
SF2852 Optimal Control Theory *Replaces 5B1873.*	7,5	D	36	18	-	-			3		Homework assignments
SF2862 Stochastic Decision Support Models *Replaces 5B1843.* *Under bearbetning*	7,5	D	36	18	-	-			3		Homework assignments
SF2872 Mathematical Economics *Replaces 5B1852.* *Under bearbetning*	6	C	32	16	-	-		2			
SF2937 Reliability Theory *Replaces 5B1537.*	7,5	D	-	-	60	-	1				
SF2940 Probability Theory *Replaces 5B1540.*	7,5	C	24	24	-	-	1				
SF2945 Time Series Analysis *Replaces 5B1545.*	6	D	24	24	-	-		2			
SF2950 Applied Mathematical Statistics *Replaces 5B1550.*	7,5	D	-	-	60	-			3		
SF2970 Martingales and Stochastic Integrals *Replaces 5B1570.*	6	D	-	-	48	-	1				
SF2974 Portfolio Theory and Risk Management *Replaces 5B1574.*	6	D	30	12	-	-	1				
SF2975 Financial Derivatives *Replaces 5B1575.*	7,5	D	-	-	48	-			3	4	

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Fluid Mechanics F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
SG2122 Continuum Mechanics *Replaces 5C1122* *Under bearbetning*	6	C	42	-	-	-	1				
SG2123 Mathematical Methods of Mechanics, General Course *Replaces 5C1123.*	6	D	36	-	-	-		2			
SG2125 Mathematical Methods of Mechanics, Intermediate Course *Ersätter 5C1125.* *Under bearbetning*	3	D	-	-	-	-			3		
SG2211 Vehicle Aerodynamics *Replaces 5C1211.*	6	C	28	-	-	4				4	8 h Seminars8 h Seminars
SG2212 Computational Fluid Dynamics *Replaces 5C1212.*	7,5	D	-	-	50	10			3		
SG2213 Applied Computational Fluid Dynamics *Replaces 5C1213.*	3	D	-	-	16	14				4	
SG2214 Fluid Mechanics *Under bearbetning*	7,5	C	-	30	30	3	1				
SG2215 Compressible Flow *Replaces 5C1215.*	7,5	D	-	-	52	9		2			
SG2218 Turbulence *Replaces 5C1218.*	7,5	D	-	-	36	3			3	4	

SG2219 Advanced Compressible Flows *Replaces 5C1219.*	7,5	D	-	-	48	-			3	4		
SG2221 Wave Motions and Hydrodynamic Stability *Replaces 5C1221.*	7,5	D	-	-	42	3		2				

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Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Mechanics F3

Only one of the courses 4B1111, 4B1112 and 4B1117 can be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
DN2255 Numerical Solutions of Differential Equations *Replaces 2D1255.*	7,5	D	30	-	-	8			3	4	
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
SD1120 Noise and Vibration Control *Replaces 4B1117.*	9	C	38	44	-	8			3	4	

Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Noise and Vibration Control F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
SD2125 Signals and Mechanical Systems *Replaces 4B1121.*	6	D	24	8	-	4		2			Computer exercises 14 h. Written test 4 h.

Noise and Vibration Control F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
SD2125 Signals and Mechanical Systems *Replaces 4B1121.*	6	D	24	8	-	4		2			Computer exercises 14 h. Written test 4 h.
SD2140 Vibro Acoustics *Replaces 4B1127.*	8	D	-	56	-	-	1	2			
SD2150 Experimental Structure Dynamics, Project Course *Replaces 4B1132.*	9	D	-	36	24	8		2	3		
SD2155 Flow Acoustics *Replaces 4B1136.*	6	D	-	48	-	8			3		
SD2160 Sound and Vibration, Project Course *Replaces 4B1141.*	8	D	-	-	40	14			3	4	Study tour to industry 40h

Previous academic year (06/07) Next academic year (08/09)

Engineering Physics

Solid Mechanics F3

At least 2 of the conditionally elective courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		
SE1117 Design Applications of Solid Mechanics *Replaces 4C1117.*	6	C	16	6	-	-				4	Estimated time for project: 90h

Solid Mechanics F4

At least 2 of the conditionally elective courses have to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SE2122 Applied Solid Mechanics *Replaces 4C1122.*	9	D	28	16	-	24	1	2			
Conditionally Elective Courses											
SE2116 Dynamic Problems in Solid Mechanics *Replaces 4C1116.*	6	D	42	-	-	8		2	3		
SE2119 Finite Element Method, Project Course *Replaces 4C1119. Given at request.*	3	D	-	-	-	-					
SE2121 Introduction to Biomechanics *Replaces 4C1121.*	9	C	48	-	-	8				4	

SE2123 Testing Techniques in Solid Mechanics *Replaces 4C1123.*	6	D	24	-	-	24				4		
SE2125 Solid Mechanics Modelling for Design *Replaces 4C1125.*	9	D	60	-	-	12				4		
SE2126 Material Mechanics *Replaces 4C1126.*	9	D	60	-	-	15	1	2				
SE2127 Packaging Materials *Replaces 4C1127.*	7,5	D	36	-	-	12			3			
SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work	

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Theoretical and Applied Mechanics F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
SG2122 Continuum Mechanics *Replaces 5C1122* *Under bearbetning*	6	C	42	-	-	-	1				
SG2123 Mathematical Methods of Mechanics, General Course *Replaces 5C1123.*	6	D	36	-	-	-		2			
SG2125 Mathematical Methods of Mechanics, Intermediate Course *Ersätter 5C1125.* *Under bearbetning*	3	D	-	-	-	-			3		
SG2126 Nonlinear Dynamics in Mechanics *Replaces 5C1400.* *Under bearbetning*	7,5	C	24	-	-	-			3		
SG2150 Rigid Body Dynamics *Replaces 5C1150.*	7	D	-	30	-	-	1				
SG2151 Modern Multibody Dynamics *Replaces 5C1151.*	8	D	30	-	-	-		2			

Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Atomic and subatomic physics F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
SH2101 Subatomic Physics *Replaces 5A1400.*	6	C	36	-	-	-				4	
SH2102 Subatomic Physics, Extended Course *Replaces 5A1402. The course can only be studied as a supplement to SH2101.*	3	C	4	-	-	20				4	
SI2370 Relativity Theory *Replaces 5A1384.*	7,5	C	30	30	-	-			3		

Atomic and subatomic physics F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
ED2200 Energy and Fusion Research *Replaces* *2A1151*	6	A	26	12	-	-				4	
EF2200 Plasma Physics *Replaces* *2A1131*	6	A	48	12	-	-	1	2			
EF2210 Plasma Physics, Supplementary Course *Replaces* *2A1137* *Under bearbetning*	3	A	12	-	-	-			3		
EF2240 Space Physics I *Replaces* *2A1160*	6	A	18	-	-	-	1				
SH2200 Astroparticle Physics *Replaces* *5A1312.*	6	D	28	-	-	-			3		8 h Seminars8 h Seminars
SH2201 Experimental Particle Physics *Replaces* *5A1405.*	6	D	26	-	-	4		2			8 h Seminars8 h Seminars
SH2302 Nuclear Physics *Replaces* *5A1411.*	8	D	24	-	-	25	1	2			

SH2303 Atomic Nuclei - Radiation - Energy *Given if there are enough interest. Please contact course administrator. Under bearbetning*	7,5	A	24	-	-	15			3			
SH2307 Physics at Accelerators *Replaces 5A1425. Given if there are enough interest. Please contact course administrator.*	6	D	35	-	-	8			3			8 h Study visit8 h Study visit
SH2310 Radiation Detectors and Medical Imaging Systems *Replaces 5A1414.*	7,5	D	24	-	-	15			3	4		6 h Seminars, 20 h Study visit6 h Seminars, 20 h Study visit
SH2500 Atomic and Molecular Physics *Replaces 5A1456.*	6	D	24	-	-	-	1					
SH2501 Atomic and Molecular Physics, Extended Course *Replaces 5A1457. The course can only be followed as an extension of SH2500 Atomic-and Molecular Physics.*	3	D	4	-	-	20		2				

SH2502 Synchrotron Radiation Based Atomic and Molecular Physics *Replaces 5A1460. Given if there are enough interest. Please contact course administrator.*	6	D	24	-	-	-				4	
SH2600 Nuclear Reactor Physics, Major Course *Replaces 5A1775.*	9	D	36	-	-	19		2			8 h Study visitReactor exercise 40 h 8 h Study visit
SI2380 Advanced Quantum Mechanics *Replaces 5A1385.*	7,5	D	36	30	-	-	1	2			
SI2400 Theoretical Particle Physics *Replaces 5A1387.*	7,5	D	36	-	-	-			3	4	
SI2420 Mathematical Foundations of Quantum Mechanics *Replaces 5A1389. Given every second year. Not given 07/08.*	7,5	D	36	-	-	-					
SK2300 Optical Physics *Replaces 5A1511.*	6	D	26	14	-	16	1				
SK2350 Optical Measurement Techniques *Replaces 5A1510.*	6	D	36	-	-	-			3	4	One individual task. Study visits.
SK2800 Laser Spectroscopy *Replaces 5A1490.*	8	D	24	-	-	12		2			

SK2810 Femto Chemistry *Replaces* *5A1491.*	8	D	36	-	-	-			3		
SK2820 Molecular Physics *Replaces* *5A1495.*	8	D	34	10	-	-			3		

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Biological Physics and Medical Technology F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
SI2510 Statistical Mechanics *Replaces 5A1390.*	7,5	D	30	30	-	-				4	
SI2550 Membranes and Soft Matter *Replaces 5A1395.*	7,5	D	30	-	-	-			3		
SK2510 Cellular Biophysics I *Replaces 5A1584.* *Under bearbetning*	8	D	20	-	-	24			3		

Biological Physics and Medical Technology F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
HL1000 Quality and Regulatory Aspects on Medical Devices	3	D	20	-	-	-			3	4	
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
HL1009 Neuroscience*	7,5	C	50	-	-	20				4	
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars
HL2002 Medical Instrumentation and Signal Processing*	6	D	30	-	-	6			3	4	
HL2003 Radiation Physics and Biology	6	D	36	-	-	-				4	
HL2004 Engineering in Intensive Care and Anesthesia*	6	D	12	-	-	-			3	4	30 + 10h (field work with oral and written report)
HL2005 Implants and Biomaterials*	6	D	25	-	-	-			3	4	
HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1				

SH2310 Radiation Detectors and Medical Imaging Systems *Replaces 5A1414.*	7,5	D	24	-	-	15			3	4	6 h Seminars, 20 h Study visit6 h Seminars, 20 h Study visit
SH2311 Radiation Sources for Therapy *Replaces 5A1416.*	3	D	10	-	-	-				4	14 h Study visit14 h Study visit
SI2380 Advanced Quantum Mechanics *Replaces 5A1385.*	7,5	D	36	30	-	-	1	2			
SI2520 Nonequilibrium Statistical Mechanics *Replaces 5A1391.*	7,5	D	30	-	-	-				4	
SI2530 Computational Physics *Replaces 5A1393.*	7,5	D	30	-	-	20		2			
SI2540 Complex Systems *Replaces 5A1394.*	7,5	D	30	-	-	-				4	
SI2550 Membranes and Soft Matter *Replaces 5A1395.*	7,5	D	30	-	-	-			3		
SI2700 Protein Physics *Replaces 5A1397.*	7,5	D	24	-	-	20				4	
SI2710 Molecular Modelling *Under bearbetning*	7,5	D	-	-	-	-	1				
SK2300 Optical Physics *Replaces 5A1511.*	6	D	26	14	-	16	1				
SK2301 Optical Physics, Extended Course *Replaces 5A1512.*	3	D	12	6	-	10	1				
SK2500 Physics of Biomedical Microscopy *Replaces 5A1582.*	6	D	28	-	-	20		2			
SK2510 Cellular Biophysics I *Replaces 5A1584.* *Under bearbetning*	8	D	20	-	-	24			3		
SK2520 Experimental Methods in Molecular Biophysics *Replaces 5A1586.*	8	D	34	-	-	15		2			5 h Study visit5 h Study visit

SK2521 Fluorescence Spectroscopy for Biomolecular Studies *Replaces 5A1587. Given in period 4 if there is a sufficient demand*	6	D	20	-	-	-				4	12 h Seminars12 h Seminars
SK2522 Applied Experimental Biophysics	8	D	45	-	-	60	1	2			
SK2530 Introduction to Biomedicine *Replaces 5A1588.*	6	D	28	-	-	-	1	2			
SK2540 Physics and Applications of Ultrasound *Replaces 5A1595.*	6	D	24	-	-	4			3		
SK2550 X-ray Physics and Applications* *Replaces 5A1596.*	6	D	20	-	-	-			3		
SK2800 Laser Spectroscopy *Replaces 5A1490.*	8	D	24	-	-	12		2			
SK2810 Femto Chemistry *Replaces 5A1491.*	8	D	36	-	-	-			3		

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Engineering Physics

Condensed matter physics F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
SF2700 Analysis, Basic Course *Replaces 5B1303.*	9	C	-	-	66	-			3	4	
SI2370 Relativity Theory *Replaces 5A1384.*	7,5	C	30	30	-	-			3		
SI2510 Statistical Mechanics *Replaces 5A1390.*	7,5	D	30	30	-	-				4	

Condensed matter physics F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
IM2661 Superconductivity and Applications *Replaces 2B1771* *Under bearbetning*	6	D	28	-	-	-		2			
SI2380 Advanced Quantum Mechanics *Replaces 5A1385.*	7,5	D	36	30	-	-	1	2			
SI2520 Nonequilibrium Statistical Mechanics *Replaces 5A1391.*	7,5	D	30	-	-	-				4	
SI2540 Complex Systems *Replaces 5A1394.*	7,5	D	30	-	-	-				4	
SI2600 Condensed Matter Theory	7,5	D	30	-	-	-		2			

SI2610 Many Particle Physics *Replaces* *5A1392.*	7,5	D	30	-	-	-			3		
SK2700 Mesoscopic Physics *Replaces* *5A1378.*	8	D	36	-	-	8		2			
SK2710 Spin Electronics *Replaces* *5A1379.*	8	D	24	-	-	4				4	

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Engineering Physics

Laser Physics and Optics F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
IO2659 Laser Engineering *Under bearbetning*	7,5	D	24	12	-	8				4	Students from the above prrograms can register via SK2410 course.
Elective Courses											
SK2410 Laser Physics *Replaces 5A1800.*	6	D	24	12	-	8				4	

Laser Physics and Optics F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
IM2654 Smart Electronic Materials *Replaces 2B1750* *Under bearbetning*	6	C	18	10	-	8	1				
SI2380 Advanced Quantum Mechanics *Replaces 5A1385.*	7,5	D	36	30	-	-	1	2			
SK2300 Optical Physics *Replaces 5A1511.*	6	D	26	14	-	16	1				
SK2301 Optical Physics, Extended Course *Replaces 5A1512.*	3	D	12	6	-	10	1				
SK2320 Problem Solving in Optics *Replaces 5A1520.*	6	D	-	-	-	-	1	2	3	4	

SK2321 Problem Solving in Optics, Continuation Course 1 *Replaces 5A1521.*	3	D	-	-	-	-			3	4	
SK2322 Problem Solving in Optics, Continuation Course 2 *Replaces 5A1522.*	3	D	-	-	-	-			3	4	
SK2350 Optical Measurement Techniques *Replaces 5A1510.*	6	D	36	-	-	-			3	4	One individual task. Study visits.
SK2400 Quantum Electronics with Electro Optics *Replaces 5A1502.*	12	D	48	-	-	-		2			
SK2401 Electro Optics *Replaces 5A1503.*	6	D	24	-	-	-		2			
SK2500 Physics of Biomedical Microscopy *Replaces 5A1582.*	6	D	28	-	-	20		2			
SK2540 Physics and Applications of Ultrasound *Replaces 5A1595.*	6	D	24	-	-	4			3		
SK2550 X-ray Physics and Applications* *Replaces 5A1596.*	6	D	20	-	-	-			3		
SK2700 Mesoscopic Physics *Replaces 5A1378.*	8	D	36	-	-	8		2			
SK2710 Spin Electronics *Replaces 5A1379.*	8	D	24	-	-	4				4	
SK2720 Condensed Matter Physics	8	D	30	10	-	10		2			

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Engineering Physics

Material Physics F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
IM2602 Solid State Physics, Extended Course *Replaces 2B1712* *Under bearbetning*	3	D	6	6	-	12				4	
SI2510 Statistical Mechanics *Replaces 5A1390.*	7,5	D	30	30	-	-				4	

Material Physics F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
IH2651 Semiconductor Theory and Device Physics, General Course *Replaces 2B1260* *Under bearbetning*	7,5	D	30	10	-	8		2			Individual assignments 20h
IH2658 Semiconductor Theory and Device Physics, Advanced Course *Replaces 2B1261* *Under bearbetning*	6	D	-	36	-	-			3		
IM2652 Surface Physics, Basic Course *Replaces 2B1263* *Under bearbetning*	6	D	36	-	-	-			3		

IM2654 Smart Electronic Materials *Replaces 2B1750* *Under bearbetning*	6	C	18	10	-	8	1				
IM2661 Superconductivity and Applications *Replaces 2B1771* *Under bearbetning*	6	D	28	-	-	-		2			
IM2662 Experimental Methods in Material Physics *Replaces 2B1760* *Under bearbetning*	7,5	C	26	22	-	30		2	3		
IO2691 Optics, General Course *Replaces 2B1380* *Under bearbetning*	6	D	26	14	-	25	1				
IO2692 Optics, Extended Course *The course can only be studied as a supplement to IO2691. Replaces 2B1381* *Under bearbetning*	3	D	12	6	-	10	1				
SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work
SH2600 Nuclear Reactor Physics, Major Course *Replaces 5A1775.*	9	D	36	-	-	19		2			8 h Study visitReactor exercise 40 h 8 h Study visit
SI2390 Relativistic Quantum Physics *Replaces 5A1386.*	7,5	D	36	-	-	-		2	3		
SI2530 Computational Physics *Replaces 5A1393.*	7,5	D	30	-	-	20		2			
SI2531 Computational Physics, Additional Course *Replaces 5A1356.*	4,5	D	-	-	-	-			3	4	Project work
SK2300 Optical Physics *Replaces 5A1511.*	6	D	26	14	-	16	1				

SK2301 Optical Physics, Extended Course *Replaces 5A1512.*	3	D	12	6	-	10	1					
SK2400 Quantum Electronics with Electro Optics *Replaces 5A1502.*	12	D	48	-	-	-		2				
SK2401 Electro Optics *Replaces 5A1503.*	6	D	24	-	-	-		2				

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Engineering Physics

Mathematical Physics F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
SF2700 Analysis, Basic Course *Replaces 5B1303.*	9	C	-	-	66	-			3	4	
SH2101 Subatomic Physics *Replaces 5A1400.*	6	C	36	-	-	-				4	
SI2360 Analytical Mechanics and Classical Field Theory *Replaces 5A1383.*	7,5	C	30	30	-	-			3	4	
SI2370 Relativity Theory *Replaces 5A1384.*	7,5	C	30	30	-	-			3		
SI2510 Statistical Mechanics *Replaces 5A1390.*	7,5	D	30	30	-	-				4	

Mathematical Physics F4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
SI2350 Seminar Course in Theoretical Physics *Replaces 5A1382.*	7,5	D	10	16	-	-	1	2			
SI2380 Advanced Quantum Mechanics *Replaces 5A1385.*	7,5	D	36	30	-	-	1	2			
SI2390 Relativistic Quantum Physics *Replaces 5A1386.*	7,5	D	36	-	-	-		2	3		

SI2400 Theoretical Particle Physics *Replaces 5A1387.*	7,5	D	36	-	-	-			3	4	
SI2410 Quantum Field Theory *Replaces 5A1388. Reading course.*	7,5	D	36	-	-	-				4	
SI2420 Mathematical Foundations of Quantum Mechanics *Replaces 5A1389. Given every second year. Not given 07/08.*	7,5	D	36	-	-	-					
SI2520 Nonequilibrium Statistical Mechanics *Replaces 5A1391.*	7,5	D	30	-	-	-				4	
SI2530 Computational Physics *Replaces 5A1393.*	7,5	D	30	-	-	20		2			
SI2531 Computational Physics, Additional Course *Replaces 5A1356.*	4,5	D	-	-	-	-			3	4	Project work
SI2540 Complex Systems *Replaces 5A1394.*	7,5	D	30	-	-	-				4	

Previous academic year (06/07) Next academic year (08/09)

Engineering Physics

Micro Electronics F4

Only one of the courses IH2651 or IH1611 can be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IH1611 Semiconductor Devices *Replaces 2B1252* *Under bearbetning*	7,5	C	32	10	-	12				4	
IH2651 Semiconductor Theory and Device Physics, General Course *Replaces 2B1260* *Under bearbetning*	7,5	D	30	10	-	8		2			Individual assignments 20h
IH2652 Methods and Instruments of Analysis* *Replaces 2B1221* *Under bearbetning*	7,5	D	24	-	-	24		2			
IH2653 Simulation of Semiconductor Devices *Replaces 2B1248* *Under bearbetning*	7,5	D	24	-	-	32		2			
IH2654 Nanoelectronics *Replaces 2B1234* *Under bearbetning*	9	D	30	10	-	8				4	

IH2655 Design and Characterisation of Nano- and Microdevices* *Replaces 2B1242* *Under bearbetning*	7,5	D	24	-	-	32			3		
IH2661 Power Semiconductor Devices *Replaces 2B1230* *Under bearbetning*	7,5	D	40	-	-	-			3		Project 40h
IL1218 Analog Electronics, Advanced Course *Replaces 2B1515. The course IL1218 replayces by IL2218.* *Under bearbetning*	7,5	C	30	14	-	20		2	3		Project work
IL2219 Radio Electronics *Replaces 2B1600* *Under bearbetning*	7,5	D	26	12	-	16				4	
IO2691 Optics, General Course *Replaces 2B1380* *Under bearbetning*	6	D	26	14	-	25	1				
IO2692 Optics, Extended Course *The course can only be studied as a supplement to IO2691. Replaces 2B1381* *Under bearbetning*	3	D	12	6	-	10	1				
SK2400 Quantum Electronics with Electro Optics *Replaces 5A1502.*	12	D	48	-	-	-		2			

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Engineering Physics

Physics F3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
IO2659 Laser Engineering *Under bearbetning*	7,5	D	24	12	-	8				4	Students from the above prrograms can register via SK2410 course.
Elective Courses											
IM2602 Solid State Physics, Extended Course *Replaces 2B1712* *Under bearbetning*	3	D	6	6	-	12				4	
SH2102 Subatomic Physics, Extended Course *Replaces 5A1402. The course can only be studied as a supplement to SH2101.*	3	C	4	-	-	20				4	
SK2410 Laser Physics *Replaces 5A1800.*	6	D	24	12	-	8				4	

Previous academic year (06/07) Next academic year (08/09)

Industrial Engineering and Management

Industrial Engineering and Management I2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DN1240 Numerical Methods, Basic Course II *Replaces 2D1240.*	6	A	24	14	-	14			3	4	
ME1301 Industrial Economics and Management, Advanced Course *Ersätter 4D1124. Examiner Thomas Westin Under bearbetning*	6	B	34	-	-	-	1				2 h Seminars2 h Seminars
ME2032 Economics of Industrial and Technical Transformation *Replaces 4D1053. Språk: svenska. Examiner Pär Blomkvist Under bearbetning*	6	B	36	-	-	-		2			2 h Seminars2 h Seminars

Previous academic year (06/07) Next academic year (08/09)

Industrial Engineering and Management

Industrial Engineering and Management I3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME2302 Knowledge Formation in Technology and Natural Science *Ersätter 4D1113. Examiner: Claes Gustafsson. Under bearbetning*	6	C	20	-	-	-			3		Seminars 8h
ME2303 Leadership *Replaces 4D1142. Examiner: Matti Kaulio. Under bearbetning*	6	B	26	26	-	-	1				6 h Seminars6 h Seminars
Conditionally Elective Courses											
ME2013 Operations Management: Organization and Control *Replaces 4D1038. Examinor: Johann Packendorff. Under bearbetning*	6	B	46	12	-	-		2			
ME2014 Operations Management: Strategy and Development *Ersätter 4D1039. Examiner: Johann Packendorff. Under bearbetning*	6	C	20	12	-	-			3		Account of project 8h Seminars 8h

ME2015 Project Management: Leadership and Control *Replaces 4D1047. Examiner Johann Packendorff* *Under bearbetning*	6	B	40	8	-	-	1				
ME2017 Project Management: Leading Project-Based Operations *Replaces 4D1049. Examiner Johann Packendorff.* *Under bearbetning*	6	C	36	12	-	-			3		
ME2023 Industrial Marketing *Replaces 4D1062. Examiner: Henrik Uggla.* *Under bearbetning*	6	B	36	12	-	-	1				
ME2024 Industrial Marketing, Advanced Course *Replaces 4D1152. Examiner: Henrik Uggla.* *Under bearbetning*	6	C	36	-	-	-		2			12 h Seminars12 h Seminars
ME2028 Behavioural Management Control *Replaces 4D1165. Examinor: Håkan Kullvén.* *Under bearbetning*	6	C	34	-	-	-			3		2 h Seminars2 h Seminars
ME2029 Finance *Replaces 4D1166. Examiner: Tomas Sörensson.* *Under bearbetning*	6	B	30	12	-	-		2			4 h Seminars4 h Seminars
ME2030 Finance, Corporate Valuation* *Replaces 4D1161. Examinor: Tomas Sörensson.* *Under bearbetning*	6	C	34	-	-	-				4	7 h Seminars7 h Seminars

ME2033 Industrial Dynamics and Technical Change *Replaces 4D1054. Examiner Pär Blomkvist Under bearbetning*	6	C	36	-	-	-			3		8 h Seminars8 h Seminars
ME2034 Management of New Technology and Industrial Creativity *Replaces 4D1059. Examinor: Staffan Laestadius. Under bearbetning*	6	C	36	8	-	-		2			8 h Seminars8 h Seminars
ME2045 Leading Organizational Change* *Replaces 4D1098 Under bearbetning*	6	C	-	8	-	-				4	36 h Seminars36 h Seminars

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Industrial Engineering and Management

Industrial Engineering and Management I4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME2305 Management: Traditions, Theory and Trends *Replaces 4D1189 Examiner Alf Rehn Under bearbetning*	6	D	30	16	-	-	1				
Conditionally Elective Courses											
ME2013 Operations Management: Organization and Control *Replaces 4D1038. Examinor: Johann Packendorff. Under bearbetning*	6	B	46	12	-	-		2			
ME2014 Operations Management: Strategy and Development *Ersätter 4D1039. Examiner: Johann Packendorff. Under bearbetning*	6	C	20	12	-	-			3		Account of project 8h Seminars 8h
ME2015 Project Management: Leadership and Control *Replaces 4D1047. Examiner Johann Packendorff Under bearbetning*	6	B	40	8	-	-	1				

ME2017 Project Management: Leading Project-Based Operations *Replaces 4D1049. Examiner Johann Packendorff. Under bearbetning*	6	C	36	12	-	-			3			
ME2023 Industrial Marketing *Replaces 4D1062. Examiner: Henrik Uggla. Under bearbetning*	6	B	36	12	-	-	1					
ME2024 Industrial Marketing, Advanced Course *Replaces 4D1152. Examiner: Henrik Uggla. Under bearbetning*	6	C	36	-	-	-		2			12 h Seminars12 h Seminars	
ME2028 Behavioural Management Control *Replaces 4D1165. Examinor: Håkan Kullvén. Under bearbetning*	6	C	34	-	-	-			3		2 h Seminars2 h Seminars	
ME2029 Finance *Replaces 4D1166. Examiner: Tomas Sörensson. Under bearbetning*	6	B	30	12	-	-		2			4 h Seminars4 h Seminars	
ME2030 Finance, Corporate Valuation* *Replaces 4D1161. Examinor: Tomas Sörensson. Under bearbetning*	6	C	34	-	-	-				4	7 h Seminars7 h Seminars	
ME2033 Industrial Dynamics and Technical Change *Replaces 4D1054. Examiner Pär Blomkvist Under bearbetning*	6	C	36	-	-	-			3		8 h Seminars8 h Seminars	

ME2034 Management of New Technology and Industrial Creativity *Replaces 4D1059. Examinor: Staffan Laestadius. Under bearbetning*	6	C	36	8	-	-		2			8 h Seminars8 h Seminars
ME2045 Leading Organizational Change* *Replaces 4D1098 Under bearbetning*	6	C	-	8	-	-				4	36 h Seminars36 h Seminars

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Industrial Engineering and Management

Biotechnology and Industrial Engineering I2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB1010 Introduction to Biotechnology	7,5	B	40	10	-	4		2			5 h Seminars5 h Seminars
BB1020 Cellbiology with immunology	6	B	36	-	-	-			3		
KD1020 Introductory Chemistry	6	A	24	18	-	22	1				
KD1030 Chemical Equilibria	6	A	12	22	-	25			3	4	
KD1090 Organic Chemistry 1	7,5	B	22	14	-	42		2			
SK1110 Electromagnetism and Waves *Replaces 5A1225.*	7,5	A	36	20	-	16				4	

Biotechnology and Industrial Engineering I3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
BB1030 Microbiology	9	B	30	24	-	48		2	3		
BB1060 Molecular Biotechnology	7,5	D	36	-	-	15		2			
BB2050 Biochemistry	6	D	-	-	-	-				4	
DD2396 Bioinformatics *Replaces 2D1396.*	6	D	32	-	-	16			3		
KD1050 Chemical Thermodynamics	6	B	28	30	-	-	1				
KD1110 Chemical Measuring Techniques	7,5	B	22	4	-	12	1				

Biotechnology and Industrial Engineering I4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											

ME2304 Management in Technology Intensive Organisations *Replaces 4D1144 Examiner Monica Lindgren Under bearbetning*	6	D	28	-	-	-		2			Seminars 4h
ME2306 Biotechnology - Business - Leadership *Replaces 4D1190. Examiner: Claes Gustafsson. Under bearbetning*	12	D	-	-	-	-			3	4	Laboration 20h Seminars 20h
Recommended Courses											
BB2170 Drug Development	6	D	36	-	-	-			3		8 h Study visit8 h Study visit
BB2250 Applied Gene Technology	6	D	18	-	-	-	1				

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Industrial Engineering and Management

Communication Systems and Industrial Engineering I2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EP1100 Data Communications and Computer Networks *Replaces 2E1616* *Given at Campus Valhallavägen* *Under bearbetning*	7,5	G	24	18	-	4			3		
EQ1100 Signals and Systems, part II *Replaces 2E1313*	7,5	G	30	32	-	4				4	10 h Computer10 h Computer
IS1200 Computer Hardware Engineering *Under bearbetning*	7,5	B	-	-	-	-			3	4	
SF1906 Mathematical Statistics, Basic Course *Replaces 5B1506.*	9	A	36	48	-	-	1	2			
SK1110 Electromagnetism and Waves *Replaces 5A1225.*	7,5	A	38	18	-	16	1				

Communication Systems and Industrial Engineering I3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1320 Applied Computer Science *Replaces 2D1320.*	6	A	28	14	-	20	1	2			
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	

EP2200 Queuing Theory and Teletraffic Systems *The course replaces 2E1618.*	7,5	C	24	24	-	-		2			
EQ1220 Signal Theory *Replaces 2E1422*	7,5	A	30	30	-	-	1				
EQ2310 Digital Communications *Replaces 2E1432*	9	A	32	32	-	18	1	2			
ID2200 Operating Systems *Replaces 2G1504 Under bearbetning*	6	C	24	10	-	-				4	
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given in Kista. Replaces 2G1305 Under bearbetning*	6	C	14	14	-	-				4	
IK2500 Radio Communication, Basic Course *Replaces 2E1511 Under bearbetning*	6	D	24	24	-	8	1				
Conditionally Elective Courses											
EN2300 Speech Signal Processing *Replaces 2E1400.*	6	D	24	24	-	-		2			
EN2500 Information Theory and Source Coding	7,5	D	36	12	-	-			3		
EP2200 Queuing Theory and Teletraffic Systems *The course replaces 2E1618.*	7,5	C	24	24	-	-		2			
EQ2300 Digital Signal Processing *Replaces 2E1340*	7,5	A	26	16	-	8		2			

EQ2400 Adaptive Signal Processing *Replaces 2E1350*	6	A	24	14	-	-			3		
EQ2410 Advanced Digital Communications *Replaces 2E1436*	6	A	26	26	-	-			3		
EQ2430 Project Course in Signal Processing and Digital Communication *Replaces 2E1367*	12	D	10	-	50	-				4	Project work 8 cr.
EQ2460 Seminars in Wireless Systems *Replaces 2E1381*	3	A	-	-	-	-			3	4	16 h Seminars16 h Seminars
IK2501 Wireless Transmission Techniques *Replaces 2E1514* *Under bearbetning*	6	D	26	26	-	-			3		
IK2502 Wireless Networks* *Replaces 2E1512* *Under bearbetning*	12	D	30	24	-	12				4	80 h Projektuppgift80 h Projektuppgift
Recommended Courses											
EP2300 Management of Networks and Networked Systems *The course replaces 2E1632.* *Under bearbetning*	7,5	A	20	-	-	20				4	Project
IE1204 Digital Design *Replaces 2B1560.* *Under bearbetning*	7,5	A	24	22	-	16			3	4	

*The course has limited participation

Communication Systems and Industrial Engineering I4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
IK2201 Communication - Business - Leadership *Replaces 2G1321* *Under bearbetning*	18	D	-	-	-	-	1	2	3	4	

ME2304 Management in Technology Intensive Organisations *Replaces 4D1144* *Examiner Monica Lindgren* *Under bearbetning*	6	D	28	-	-	-		2			Seminars 4h
Recommended Courses											
ID2209 Distributed Artificial Intelligence and Intelligent Agents *Replaces 2G1524* *Under bearbetning*	7,5	D	24	10	-	-		2			

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Industrial Engineering and Management

Energy Systems and Industrial Engineering I2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MF1016 Basic Electrical Engineering *Replaces 4F1816*	9	B	24	28	-	22			3	4	
MJ1112 Applied Thermodynamics *Replaces 4A1112*	9	A	44	48	-	-			3	4	Math exercises
SF1901 Probability Theory and Statistics *Replaces 5B1501.*	6	A	24	36	-	-		2			
SK1110 Electromagnetism and Waves *Replaces 5A1225.*	7,5	A	38	18	-	16	1				

Energy Systems and Industrial Engineering I3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EG2050 Systems Planning *Replaces 2C1118.* *Under bearbetning*	7,5	A	64	-	-	3			3		
ME2307 Energy Business *Replaces 4D1191.* *Examiner: Thomas Sandberg* *Under bearbetning*	6	D	30	-	-	-				4	Seminars 12h Study-visit 8h
MJ1401 Heat Transfer *Replaces 4A1601*	6	C	24	24	-	20		2			

MJ1404 Project Course in Sustainable Energy Systems *Replaces 4A1604*	15	C	-	-	-	-			3	4	Project wor Seminars

Energy Systems and Industrial Engineering I4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
ME2304 Management in Technology Intensive Organisations *Replaces 4D1144* *Examiner Monica Lindgren* *Under bearbetning*	6	D	28	-	-	-		2			Seminars 4h
MJ2140 Energy Systems and Models I *This course is not given the academic year 05/06.*	6	D	14	32	-	-	1				9 h SeminarsSeminars 9 H 9 h Seminars
MJ2145 Energysystems - Business - Leadership *Replaces 4A1145*	12	D	24	24	-	4			3	4	
MJ2407 Sustainable Energy Utilisation *Replaces 4A1607*	9	D	-	-	72	16	1	2			

Previous academic year (06/07) Next academic year (08/09)

Industrial Engineering and Management

Financial Mathematics and Industrial Engineering I2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1320 Applied Computer Science *Replaces 2D1320.*	6	A	28	14	-	20	1	2			
SF1811 Optimization for F *Replaces 5B1712.*	6	C	28	16	-	6			3		
SF1906 Mathematical Statistics, Basic Course *Replaces 5B1506.*	9	A	36	48	-	-	1	2			
SF2941 Probability Theory and Linear Models *Replaces 5B1541.*	7,5	D	-	-	48	-				4	
SK1110 Electromagnetism and Waves *Replaces 5A1225.*	7,5	A	38	18	-	16	1				

Financial Mathematics and Industrial Engineering I3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME2029 Finance *Replaces 4D1166. Examiner: Tomas Sörensson. Under bearbetning*	6	B	30	12	-	-		2			4 h Seminars4 h Seminars

SF2701 Financial Mathematics, Basic Course *Replaces 5B1306.* *Under bearbetning*	7,5	C	-	-	54	-				4		
SF2945 Time Series Analysis *Replaces 5B1545.*	6	D	24	24	-	-		2				
SF2951 Econometrics *Replaces 5B1551.*	7,5	D	-	-	48	-			3			
SF2974 Portfolio Theory and Risk Management *Replaces 5B1574.*	6	D	30	12	-	-	1					

Financial Mathematics and Industrial Engineering I4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
ME2304 Management in Technology Intensive Organisations *Replaces 4D1144* *Examiner Monica Lindgren* *Under bearbetning*	6	D	28	-	-	-		2			Seminars 4h
ME2308 Finance - Mathematics - Business Management *Replaces 4D1192.* *Examiner: Birger Ljung* *Under bearbetning*	12	D	-	-	-	-			3	4	Seminars 20h, Project work
SF2976 Portfolio Theory, Advanced Course *Replaces 5B1576.*	7,5	D	30	18	-	-		2			
SF2980 Risk Management *Replaces 5B1580.*	7,5	D	24	24	-	-		2			

Previous academic year (06/07) Next academic year (08/09)

Industrial Engineering and Management

Integrated Production and Industrial Engineering I2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MF1016 Basic Electrical Engineering *Replaces 4F1816*	9	B	24	28	-	22			3	4	
MG1003 *Replaces 4G1162*	12	B	30	90	-	12			3	4	
SE1012 Solid Mechanics, Basic Course, IPI *Replaces 4C1012.*	9	B	52	30	-	2	1	2			
SF1901 Probability Theory and Statistics *Replaces 5B1501.*	6	A	24	36	-	-		2			
SK1110 Electromagnetism and Waves *Replaces 5A1225.*	7,5	A	38	18	-	16	1				

Integrated Production and Industrial Engineering I3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
MG1018 Production Automation *Replaces 4K1111*	7,5	C	50	-	-	15				4	
MG1023 Control Systems *Replaces 4K1101*	6	C	18	28	-	12			3		

MH1004 Materials Science for Mechanical Engineering *Replaces* *4H1063*	6	B	36	-	-	15		2			

Integrated Production and Industrial Engineering I4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
ME2304 Management in Technology Intensive Organisations *Replaces* *4D1144* *Examiner* *Monica* *Lindgren* *Under* *bearbetning*	6	D	28	-	-	-		2			Seminars 4h
MG2017 Production - Business - Leadership *Replaces* *4K1110*	12	D	-	-	18	-			3	4	Project work
MG2019 Integrated Production *Replaces* *4K1112*	12	D	-	-	84	-	1	2			

Previous academic year (06/07) Next academic year (08/09)

Industrial Engineering and Management

Mechatronics and Industrial Engineering I2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MF1015 Product Realization *Replaces 4F1815*	12	B	34	50	-	-	1	2			
MF1016 Basic Electrical Engineering *Replaces 4F1816*	9	B	24	28	-	22			3	4	
MF1036 Machine Components and CAD *Under bearbetning*	7,5	B	34	16	-	6	1	2			
SE1012 Solid Mechanics, Basic Course, IPI *Replaces 4C1012.*	9	B	52	30	-	2	1	2			
SK1110 Electromagnetism and Waves *Replaces 5A1225.*	7,5	A	36	20	-	16				4	

Mechatronics and Industrial Engineering I3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1320 Applied Computer Science *Replaces 2D1320.*	6	A	28	14	-	20	1	2			
DD1324 Applied Programming and Computer Science, Part 2 *Replaces 2D1324.*	3	B	12	6	-	18			3		
EL1000 Automatic Control, General Course *Replaces 2E1200*	6	C	24	26	-	12		2			

MF1022 Project Course in Mechatronics *Under bearbetning*	15	C	-	-	-	-			3	4	Seminars 20 h
SF1901 Probability Theory and Statistics *Replaces 5B1501.*	6	A	24	36	-	-		2			
SG1140 Mechanics II *Replaces 5C1140.*	6	B	30	15	-	-	1				

Mechatronics and Industrial Engineering I4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
MF2003 Mechatronics, Advanced Course *Replaces 4F1903*	18	D	-	-	-	-			3	4	
MF2007 Dynamics and Motion Control *Replaces 4F1907*	9	D	26	24	-	-	1				Workshop 12 h
MF2008 Embedded Control Systems *Replaces 4F1908*	9	D	12	18	-	30		2			
Recommended Courses											
ME2304 Management in Technology Intensive Organisations *Replaces 4D1144* *Examiner Monica Lindgren* *Under bearbetning*	6	D	28	-	-	-		2			Seminars 4h

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Industrial Engineering and Management

Program Design and Industrial Engineering I2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1320 Applied Computer Science *Replaces 2D1320.*	6	A	28	14	-	20	1	2			
DD1334 Database Technology *Replaces 2D1334.*	6	C	24	20	-	12			3		
DD2377 Low Level Programming and Computer Architecture *Replaces 2D1377.*	7,5	C	28	-	-	24			3		
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	
SF1901 Probability Theory and Statistics *Replaces 5B1501.*	6	A	24	36	-	-		2			
SK1110 Electromagnetism and Waves *Replaces 5A1225.*	7,5	A	38	18	-	16	1				

Program Design and Industrial Engineering I3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1363 Software Engineering *Replaces 2D1363.*	12	D	40	-	-	-		2	3	4	
DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1				

DH2622 Human-Computer Interaction, Advanced Course with Prototyping *Replaces 2D1622.*	9	C	18	5	-	8		2			
DH2640 Graphics and Interaction Programming *Replaces 2D1640.*	9	C	42	8	-	42			3	4	
IV2007 Enterprise Computing and ERP Systems *Replaces 2I1228* *Under bearbetning*	7,5	D	14	12	-	60	1				80h
Recommended Courses											
IE1204 Digital Design *Replaces 2B1560.* *Under bearbetning*	7,5	A	24	22	-	16			3	4	

Program Design and Industrial Engineering I4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
DH2460 Software Design - Business - Leadership *Replaces 2D1460.*	12	D	16	-	-	26			3	4	
ME2304 Management in Technology Intensive Organisations *Replaces 4D1144* *Examiner Monica Lindgren* *Under bearbetning*	6	D	28	-	-	-		2			Seminars 4h

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

Information and Communication Technology IT2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EI1102 Electrical Circuit Analysis	7,5	A	24	30	-	4					
ID1218 Applied Programming *Replaces 2G1540* *Under bearbetning*	7,5	B	-	-	-	-		2			
IF1613 Electromagnetism and Waves *Replaces 2B1351* *Under bearbetning*	7,5	A	-	-	-	-			3		
IK1203 Networks and Communication *Replaces 2G1700*	7,5	B	-	-	-	-			3		
IV1301 IT Project, Part 1-Method *Replaces 6B3023* *Under bearbetning*	7,5	C	16	16	-	-				4	
IV1408 IT Project, Part 1-Method *Replaces 6B3032.* *Under bearbetning*	6	C	-	-	-	-				4	
SF1610 Discrete Mathematics *Replaces 5B1118.*	7,5	A	-	-	-	-		2			
SF1913 Mathematical Statistics for IT and ME	7,5	A	28	40	-	-	1				
Conditionally Elective Courses											
ID1003 Project IT *Replaces 2I1074* *Under bearbetning*	7,5	C	-	-	-	-				4	

IS2204 IT Project Course, part 2 *Replaces* *2G1525* *Under bearbetning*	7,5	C	-	-	-	-			3	4	

Previous academic year (06/07)

Next academic year (08/09)

Information and Communication Technology

Information and Communication Technology IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
ID1007 3D Graphics for Computer Game Development *Replaces 2I1186* *Under bearbetning*	7,5	B	-	-	-	-		2			
IV1010 Introduction to Computer Game Development *Replaces 2I1184* *Under bearbetning*	7,5	B	-	-	-	-	1				
IV1011 Online Game, Gaming Communities and Advergames *Replaces 2I1188* *Under bearbetning*	7,5	B	-	-	-	-			3		

Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

Information and Communication Technology IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
ID1007 3D Graphics for Computer Game Development *Replaces 2I1186 Under bearbetning*	7,5	B	-	-	-	-		2			
ID2012 Ubiquitous Computing *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. Replaces 2I1721 Under bearbetning*	7,5	D	29	2	2	-			3	4	4 h Seminars4 h Seminars
IS1202 Computer Systems Architecture *Replaces 2G1534 Under bearbetning*	7,5	C	16	16	-	16				4	Homework 16h
IS2206 Research Methods in Computer Systems Engineering *Replaces 2G1535 Under bearbetning*	7,5	D	8	-	-	-			3		

IV1010 Introduction to Computer Game Development *Replaces 2I1184* *Under bearbetning*	7,5	B	-	-	-	-	1				
IV1011 Online Game, Gaming Communities and Advergames *Replaces 2I1188* *Under bearbetning*	7,5	B	-	-	-	-			3		

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

Biomedical Enginering for IT IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
IC1000 Human-Computer Interaction *Replaces 2I1029* *Under bearbetning*	6	C	-	-	-	-	1				
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2			
IV1000 Object Oriented Analysis and Design *Replaces 2I1034* *Under bearbetning*	6	C	-	-	-	-	1				
IV1007 Relational Database Technology *Replaces 2I1075* *Under bearbetning*	6	C	-	-	-	-		2			
SF1642 Logic *Replaces 5B1928.* *Under bearbetning*	6	A	40	20	-	-	1	2			
Conditionally Elective Courses											
HL1009 Neuroscience*	7,5	C	50	-	-	20				4	
ID1011 Introduction to Software Engineering *Replaces 2I1901* *Under bearbetning*	7,5	C	15	-	-	-			3		Seminars 6 hours, project 120 hours

ID1217 Concurrent Programming *Replaces* *2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3		
IV1013 Introduction to Computer Security *Replaces* *2I1515* *Under bearbetning*	7,5	B	22	-	-	15			3		

*The course has limited participation

Biomedical Enginering for IT IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1				
Conditionally Elective Courses											
DD2436 Modelling of Processes in Cell Biology *Replaces* *2D1436.*	6	D	16	-	-	16	1				
HL1000 Quality and Regulatory Aspects on Medical Devices	3	D	20	-	-	-			3	4	
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars
HL2004 Engineering in Intensive Care and Anesthesia*	6	D	12	-	-	-			3	4	30 + 10h (field work with oral and written report)
IC2009 Principles of Visualization *Replaces* *2I1723* *Under bearbetning*	7,5	D	15	-	-	40				4	12 h Seminars, 136 h Projektuppgift12 h Seminars, 136 h Projektuppgift
ID2000 Machine Learning *Replaces* *2I1234* *Under bearbetning*	6	D	36	-	-	-				4	
ID2009 Artificial Intelligence: Principles and Techniques *Replaces* *2I1715* *Under bearbetning*	7,5	C	-	-	-	-				4	
IV2014 Data Warehousing *Replaces* *2I1418* *Under bearbetning*	7,5	D	15	-	2	-		2			9 h Seminars9 h Seminars

IV2015 Knowledge Management *Replaces* *2I1419* *Under bearbetning*	7,5	D	24	24	-	-			3		
IV2021 Legal Aspects of Information Security *Replaces* *2I1505* *Under bearbetning*	7,5	D	22	-	-	12			3		

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

Communication systems IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ID1215 Compilers and Execution Environments *Replaces 2G1533* *Under bearbetning*	7,5	C	28	8	-	4		2			
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2			
IL2206 Embedded Systems *Replaces 2B1446*	7,5	C	24	8	-	16	1				
IV1200 System Modelling and Simulation *Replaces 2G1531* *Under bearbetning*	7,5	C	20	16	-	10	1				12 h Projektuppgift12 h Projektuppgift
Conditionally Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
EP2300 Management of Networks and Networked Systems *The course replaces 2E1632.* *Under bearbetning*	7,5	A	20	-	-	20				4	Project
ID1011 Introduction to Software Engineering *Replaces 2I1901* *Under bearbetning*	7,5	C	15	-	-	-			3		Seminars 6 hours, project 120 hours

ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3			
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given in Kista. Replaces 2G1305* *Under bearbetning*	6	C	14	14	-	-				4		
IK2213 Network Services and Internet-based Applications *Replaces EP2150.* *Under bearbetning*	7,5	D	10	16	-	-				4	Group projects.	
IL2212 Embedded Software *Replaces 2B1463* *Under bearbetning*	7,5	D	20	8	-	12			3			
IL2220 Low Power Analog and Mixed Signal ICs *Replaces 2B1611* *Under bearbetning*	7,5	D	-	14	42	-				4		
SF1642 Logic *Replaces 5B1928.* *Under bearbetning*	6	A	40	20	-	-				4		

Communication systems IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											

ID2201 Distributed Systems, Basic Course *Replaces 2G1509*	7,5	D	24	-	-	-	1				Project work 12 hours
ID2216 Developing Mobile Applications *Replaces 2G1722* *Under bearbetning*	7,5	D	20	-	-	10			3		
II1210 Network Society *Replaces 2G1751*	7,5	C	20	-	-	-			3	4	Assigned paper 50 h.
IK1611 Dimensioning of Communication Systems *Replaces 2B1315* *Under bearbetning*	7,5	C	26	24	-	-			3		Project assignment.
IK2204 Advanced Internetworking *Replaces 2G1701* *Under bearbetning*	9	D	8	18	-	20	1				Group project, additional lectures online
IK2205 Inter Domain Routing *Replaces 2G1703* *Under bearbetning*	7,5	D	10	-	-	20		2			Home assignment
IK2206 Internet Security and Privacy *Replaces 2G1704.* *Under bearbetning*	7,5	D	20	10	-	-		2			assigned paper
IK2210 GSM Network and Services *Replaces 2G1723. The course not given 07/08.* *Under bearbetning*	7,5	D	24	-	-	-				4	Laboratory 5 sessions
IK2554 Practical Voice Over IP (VoIP) *Replaces 2G1325* *Under bearbetning*	7,5	D	10	-	-	-				4	Assigned paper 50h
IK2555 Wireless and Mobile Network Architectures *Replaces 2G1330* *Under bearbetning*	7,5	D	10	-	-	-			3		Assigned paper 50h
Elective Courses											

IK2213 Network Services and Internet-based Applications *Replaces EP2150.* *Under bearbetning*	7,5	D	10	16	-	-				4	Group projects.

Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

Computer systems engineering IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ID1215 Compilers and Execution Environments *Replaces 2G1533* *Under bearbetning*	7,5	C	28	8	-	4		2			
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2			
IL2206 Embedded Systems *Replaces 2B1446*	7,5	C	24	8	-	16	1				
IV1200 System Modelling and Simulation *Replaces 2G1531* *Under bearbetning*	7,5	C	20	16	-	10	1				12 h Projektuppgift12 h Projektuppgift
Conditionally Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
EP2300 Management of Networks and Networked Systems *The course replaces 2E1632.* *Under bearbetning*	7,5	A	20	-	-	20				4	Project
ID1011 Introduction to Software Engineering *Replaces 2I1901* *Under bearbetning*	7,5	C	15	-	-	-			3		Seminars 6 hours, project 120 hours

ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3			
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given in Kista. Replaces 2G1305* *Under bearbetning*	6	C	14	14	-	-				4		
IK2213 Network Services and Internet-based Applications *Replaces EP2150.* *Under bearbetning*	7,5	D	10	16	-	-				4	Group projects.	
IL2212 Embedded Software *Replaces 2B1463* *Under bearbetning*	7,5	D	20	8	-	12			3			
IL2220 Low Power Analog and Mixed Signal ICs *Replaces 2B1611* *Under bearbetning*	7,5	D	-	14	42	-				4		
SF1642 Logic *Replaces 5B1928.* *Under bearbetning*	6	A	40	20	-	-				4		

Computer systems engineering IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											

IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given at Campus Valhallavägen* *Under bearbetning*	6	C	20	18	-	10				4	Assignments
Conditionally Elective Courses											
DD2488 Compiler Construction *The course will not be given 07/08. Replaces 2D1488*	9	D	2	-	-	-					
ID2213 Logic Programming *Replaces 2G1530* *Under bearbetning*	7,5	D	16	12	-	-	1				Individual work on project and group presentation 4h
IL2200 ASIC-design Methodology with High-level Languages *Replaces 2B1423* *Under bearbetning*	7,5	D	20	4	-	20		2			
IL2202 System Modelling *Replaces 2B1429* *Under bearbetning*	7,5	D	20	12	-	-			3		Exercises 12
IL2204 DSP-Construction with HDL *Replaces 2B1435* *Under bearbetning*	7,5	D	24	12	-	24			3		
IL2207 System-On-Chip Architectures *Replaces 2B1448* *Under bearbetning*	7,5	D	24	8	-	12		2			
IL2217 Digital Design with HDL *Replaces 2B1513* *Under bearbetning*	7,5	D	22	10	-	28	1				

IS2206 Research Methods in Computer Systems Engineering *Replaces 2G1535* *Under bearbetning*	7,5	D	8	-	-	-			3		

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

Distributed systems IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ID1215 Compilers and Execution Environments *Replaces 2G1533* *Under bearbetning*	7,5	C	28	8	-	4		2			
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2			
IL2206 Embedded Systems *Replaces 2B1446*	7,5	C	24	8	-	16	1				
IV1200 System Modelling and Simulation *Replaces 2G1531* *Under bearbetning*	7,5	C	20	16	-	10	1				12 h Projektuppgift12 h Projektuppgift
Conditionally Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
EP2300 Management of Networks and Networked Systems *The course replaces 2E1632.* *Under bearbetning*	7,5	A	20	-	-	20				4	Project
ID1011 Introduction to Software Engineering *Replaces 2I1901* *Under bearbetning*	7,5	C	15	-	-	-			3		Seminars 6 hours, project 120 hours

ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3			
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given in Kista. Replaces 2G1305* *Under bearbetning*	6	C	14	14	-	-				4		
IK2213 Network Services and Internet-based Applications *Replaces EP2150.* *Under bearbetning*	7,5	D	10	16	-	-				4	Group projects.	
IL2212 Embedded Software *Replaces 2B1463* *Under bearbetning*	7,5	D	20	8	-	12			3			
IL2220 Low Power Analog and Mixed Signal ICs *Replaces 2B1611* *Under bearbetning*	7,5	D	-	14	42	-				4		
SF1642 Logic *Replaces 5B1928.* *Under bearbetning*	6	A	40	20	-	-				4		

Distributed systems IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											

DD2452 Formal Methods *Replaces 2D1452.*	7,5	D	20	14	-	12			3			
Conditionally Elective Courses												
DD2454 Semantics for Programming Languages *Replaces 2D1454.*	6	D	20	10	-	-		2				
DD2488 Compiler Construction *The course will not be given 07/08. Replaces 2D1488*	9	D	2	-	-	-						
ID2201 Distributed Systems, Basic Course *Replaces 2G1509*	7,5	D	24	-	-	-	1					Project work 12 hours
ID2203 Distributed Systems, Advanced Course *Replaces 2G1513 Under bearbetning*	7,5	D	24	-	-	-			3			
ID2204 Constraint Programming *Replaces 2G1515 Under bearbetning*	7,5	D	24	-	-	-				4		Project work 10 hours
ID2207 Modern Methods in Software Engineering *Replaces 2G1522 Under bearbetning*	7,5	D	20	10	-	-	1					
ID2208 Programming Web-Services *Replaces 2G1523 Under bearbetning*	7,5	D	20	10	-	-			3			
ID2209 Distributed Artificial Intelligence and Intelligent Agents *Replaces 2G1524 Under bearbetning*	7,5	D	24	10	-	-		2				
ID2210 Distributed Computing, Peer-to-Peer and GRIDS *Replaces 2G1526 Under bearbetning*	7,5	D	-	-	12	-				4		Assignment presentations 1 h per group

ID2212 Network Programming with Java *Under bearbetning*	7,5	D	22	10	-	10		2			
ID2213 Logic Programming *Replaces 2G1530* *Under bearbetning*	7,5	D	16	12	-	-	1				Individual work on project and group presentation 4h

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Information and Communication Technology

Interactive systems IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
IC1000 Human-Computer Interaction *Replaces 2I1029* *Under bearbetning*	6	C	-	-	-	-	1				
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2			
IV1000 Object Oriented Analysis and Design *Replaces 2I1034* *Under bearbetning*	6	C	-	-	-	-	1				
IV1007 Relational Database Technology *Replaces 2I1075* *Under bearbetning*	6	C	-	-	-	-		2			
SF1642 Logic *Replaces 5B1928.* *Under bearbetning*	6	A	40	20	-	-	1	2			
Conditionally Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	

IC1003 Cognitive Science *Replaces 2I1095. Kursen utgår och ersätts av IC1008 f o m lää 07/08* *Under bearbetning*	6	C	25	-	-	-			3		Course assignment work 120
IC1008 Cognitive Science *Replaces IC1003. The course not given 07/08.* *Under bearbetning*	7,5	C	25	-	-	-			3		Course assignment work 120
IC2002 Philosophy of Science *Replaces 2I1530* *Under bearbetning*	7,5	D	-	-	-	-				4	
IC2005 Methodology of Interaction Design . *Replaces 2I1716* *Under bearbetning*	7,5	D	-	-	-	-				4	
ID1009 Agile Software Construction *Replaces 2I1281* *Under bearbetning*	9	C	-	-	-	-			3		
ID1011 Introduction to Software Engineering *Replaces 2I1901* *Under bearbetning*	7,5	C	15	-	-	-			3		Seminars 6 hours, project 120 hours
ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3		
ID2003 Software Testing and Metrics *Replaces 2I1282* *Under bearbetning*	7,5	D	40	-	120	-			3		

ID2011 Microsimulation *Replaces 2I1719. The course not given 07/08. Under bearbetning*	7,5	D	-	-	-	-				4	
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given in Kista. Replaces 2G1305 Under bearbetning*	6	C	14	14	-	-				4	
IV1013 Introduction to Computer Security *Replaces 2I1515 Under bearbetning*	7,5	B	22	-	-	15			3		

Interactive systems IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
DT2112 Speech Technology *Replaces 2F1112.*	7,5	C	36	14	-	6			3		
IC2000 Methods for the Design of Multimedia and Interactive Systems *Replaces 2I1059. The course not given 07/08. Under bearbetning*	9	D	25	-	-	64			3	4	

IC2001 Complex Social Networks *Replaces 2I1409* *Under bearbetning*	6	D	20	-	-	-		2				
IC2005 Methodology of Interaction Design . *Replaces 2I1716* *Under bearbetning*	7,5	D	-	-	-	-		2				
IC2007 Collaborative Computing *The course is a replacement for 2I1709 from 06/07. Students who have already taken the course 2I1709 can therefore not apply for this one. Replaces 2I17120. The course not given 07/08.* *Under bearbetning*	7,5	D	20	-	-	10			3		20 h Seminars20 h Seminars	
IC2008 Affective Interaction *Replaces 2i1722* *Under bearbetning*	7,5	D	18	-	-	120			3			
IC2009 Principles of Visualization *Replaces 2I1723* *Under bearbetning*	7,5	D	15	-	-	40				4	12 h Seminars, 136 h Projektuppgift12 h Seminars, 136 h Projektuppgift	
IC2010 Advanced Individual Course in Human-Computer Interaction *Replaces 2I1724* *Under bearbetning*	7,5	D	-	-	-	-	1	2	3	4		
ID2000 Machine Learning *Replaces 2I1234* *Under bearbetning*	6	D	36	-	-	-				4		

ID2009 Artificial Intelligence: Principles and Techniques *Replaces 2I1715* *Under bearbetning*	7,5	C	-	-	-	-				4		
ID2010 Programming of Interactive Systems *Replaces 2I1717* *Under bearbetning*	7,5	D	-	-	-	-			3			
ID2012 Ubiquitous Computing *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. Replaces 2I1721* *Under bearbetning*	7,5	D	29	2	2	-			3	4	4 h Seminars4 h Seminars	
ID2013 Internet Programming I *Replaces 2I1801* *Under bearbetning*	7,5	D	6	-	-	160	1					
ID2014 Internet Programming II *Replaces 2I1802* *Under bearbetning*	7,5	D	6	-	-	160		2				
ID2015 Internet Programming III *Replaces 2I1803* *Under bearbetning*	7,5	D	6	-	-	160			3			
ID2016 Internet Programming IV *Replaces 2I1804* *Under bearbetning*	7,5	C	4	-	-	160				4		
Elective Courses												

ID1008 Internet Application Protocols and Standards *Replaces 2I1263* *Under bearbetning*	6	A	24	-	-	20			3		120h

Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

International Profile IT2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EI1102 Electrical Circuit Analysis	7,5	A	24	30	-	4					
ID1218 Applied Programming *Replaces 2G1540* *Under bearbetning*	7,5	B	-	-	-	-		2			
IF1613 Electromagnetism and Waves *Replaces 2B1351* *Under bearbetning*	7,5	A	-	-	-	-			3		
IK1203 Networks and Communication *Replaces 2G1700*	7,5	B	-	-	-	-			3		
IV1301 IT Project, Part 1-Method *Replaces 6B3023* *Under bearbetning*	7,5	C	16	16	-	-				4	
IV1408 IT Project, Part 1-Method *Replaces 6B3032.* *Under bearbetning*	6	C	-	-	-	-				4	
SF1610 Discrete Mathematics *Replaces 5B1118.*	7,5	A	-	-	-	-		2			
SF1913 Mathematical Statistics for IT and ME	7,5	A	28	40	-	-	1				
Conditionally Elective Courses											
DS1324 Technical German, Intermediate Level*	9	B	-	-	56	-			3	4	
DS1334 Technical French, Intermediate Level*	9	B	-	-	56	-			3	4	

DS1348 Technical Spanish, Intermediate Level*	9	B	-	-	56	-			3	4	
DS1382 Japanese, Advanced Beginners Level I*	6	B	-	-	56	-			3	4	
DS1392 Chinese, Advanced Beginners Level I*	6	B	-	-	56	-			3	4	
ID1003 Project IT *Replaces* *2I1074* *Under* *bearbetning*	7,5	C	-	-	-	-				4	
IS2204 IT Project Course, part 2 *Replaces* *2G1525* *Under* *bearbetning*	7,5	C	-	-	-	-			3	4	

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Information and Communication Technology

Management with IT and IS IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
IC1000 Human-Computer Interaction *Replaces 2I1029* *Under bearbetning*	6	C	-	-	-	-	1				
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2			
IV1000 Object Oriented Analysis and Design *Replaces 2I1034* *Under bearbetning*	6	C	-	-	-	-	1				
IV1007 Relational Database Technology *Replaces 2I1075* *Under bearbetning*	6	C	-	-	-	-		2			
SF1642 Logic *Replaces 5B1928.* *Under bearbetning*	6	A	40	20	-	-	1	2			
Conditionally Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	

IC1003 Cognitive Science *Replaces 2I1095. Kursen utgår och ersätts av IC1008 f o m lää 07/08* *Under bearbetning*	6	C	25	-	-	-			3		Course assignment work 120
IC1008 Cognitive Science *Replaces IC1003. The course not given 07/08.* *Under bearbetning*	7,5	C	25	-	-	-			3		Course assignment work 120
IC2002 Philosophy of Science *Replaces 2I1530* *Under bearbetning*	7,5	D	-	-	-	-				4	
IC2005 Methodology of Interaction Design . *Replaces 2I1716* *Under bearbetning*	7,5	D	-	-	-	-				4	
ID1009 Agile Software Construction *Replaces 2I1281* *Under bearbetning*	9	C	-	-	-	-			3		
ID1011 Introduction to Software Engineering *Replaces 2I1901* *Under bearbetning*	7,5	C	15	-	-	-			3		Seminars 6 hours, project 120 hours
ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3		
ID2003 Software Testing and Metrics *Replaces 2I1282* *Under bearbetning*	7,5	D	40	-	120	-			3		

ID2011 Microsimulation *Replaces 2I1719. The course not given 07/08. Under bearbetning*	7,5	D	-	-	-	-				4	
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given in Kista. Replaces 2G1305 Under bearbetning*	6	C	14	14	-	-				4	
IV1013 Introduction to Computer Security *Replaces 2I1515 Under bearbetning*	7,5	B	22	-	-	15			3		

Management with IT and IS IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
ID2007 Processes for IT Production *Replaces 2I1420. Under bearbetning*	7,5	D	21	-	-	-	1				6 h Seminars6 h Seminars

IV1012 Systems Theory *Replaces 2I1197. The course not given 07/08. The course is replaced by IV2034 (7,5 hp) from 07/08.* *Under bearbetning*	4,5	D	21	-	3	3			3			
IV2001 Internet and ERP Systems *Replaces 2I1053* *Under bearbetning*	7,5	C	12	-	-	-	1					Project work 80 h
IV2002 Internet Search and Monitoring Techniques *Replaces 2I1068* *Under bearbetning*	7,5	C	-	-	16	-	1					6 assignments
IV2004 Organisations, IT-Systems and Management *Replaces 2I1190. The course not given 07/08. The course is replaced by IV2035 (7,5 hp) from 07/08.* *Under bearbetning*	10,5	D	36	-	14	9			3	4		Seminars 6h
IV2005 IT-Platform: Strategy, Architecture and Design *Replaces 2I1191. The course not given 07/08.* *Under bearbetning*	7,5	D	30	-	-	-				4		Seminars 6h
IV2006 IT-Management *Replaces 2I1198. The course not given 07/08.* *Under bearbetning*	7,5	D	27	-	7	-				4		Seminars 8 hours

IV2007 Enterprise Computing and ERP Systems *Replaces 2I1228* *Under bearbetning*	7,5	D	14	12	-	60	1					80h
IV2008 Models and Languages for Object and Web Databases *Replaces 2I1242* *Under bearbetning*	7,5	D	21	40	-	75			3			Studying/Practice 60h
IV2009 Model-driven Development of Components *Replaces 2I1404* *Under bearbetning*	7,5	D	-	-	-	-			3			
IV2010 Mobile Business *Replaces 2I1406* *Under bearbetning*	7,5	D	18	12	-	-			3	4		Project work 80 h
IV2012 Knowledge and Software Reuse *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. Replaces 2I1415* *Under bearbetning*	7,5	C	18	18	-	40			3	4		
IV2013 Relational Database Design *Replaces 2I1417* *Under bearbetning*	7,5	C	12	12	9	8		2				
IV2014 Data Warehousing *Replaces 2I1418* *Under bearbetning*	7,5	D	15	-	2	-		2				9 h Seminars9 h Seminars

IV2015 Knowledge Management *Replaces 2I1419* *Under bearbetning*	7,5	D	24	24	-	-			3			
IV2016 Project and Power Games *Replaces 2I1421* *Under bearbetning*	7,5	D	27	27	-	-				4		
IV2017 Interoperability of Enterprise Systems and Services *Replaces 2I1423* *Under bearbetning*	7,5	D	12	12	40	18		2				
IV2029 Global IT-management *Replaces 2I2121*	7,5	D	20	-	-	-		2			15 h Projektuppgift15 h Projektuppgift	
IV2030 Management of IT-enabled Change *Replaces 2I2125. The course not given 07/08.*	7,5	D	20	-	-	-			3		15 h ProjektuppgiftOnly one of II1210 and IV2030 may be taken. 15 h Projektuppgift	
IV2031 Strategic Management of IT *Replaces 2I2126*	7,5	D	20	-	-	-				4	15 h Projektuppgift15 h Projektuppgift	
IV2033 Decision and Risk Analysis *Under bearbetning*	7,5	D	-	-	-	-			3			
IV2034 Systems Theory and IT *Replaces IV1012.* *Under bearbetning*	7,5	D	-	-	-	-			3			
IV2035 Organisations, IT-Systems and Management *Replaces IV2004.* *Under bearbetning*	7,5	D	-	-	-	-				4		

Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

Nanoscale Electronics IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EQ1100 Signals and Systems, part II *Replaces 2E1313*	7,5	G	30	28	60	4		2			
IH1611 Semiconductor Devices *Replaces 2B1252* *Under bearbetning*	7,5	C	32	10	-	12				4	
IL2217 Digital Design with HDL *Replaces 2B1513* *Under bearbetning*	7,5	D	22	10	-	28	1				
SF1635 Signals and Systems, part I *Replaces 5B1209.*	7,5	A	-	-	60	-	1				
Conditionally Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IL2204 DSP-Construction with HDL *Replaces 2B1435* *Under bearbetning*	7,5	D	24	12	-	24			3		

Nanoscale Electronics IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other

Conditionally Elective Courses												
IH2652 Methods and Instruments of Analysis* *Replaces 2B1221* *Under bearbetning*	7,5	D	24	-	-	24		2				
IH2653 Simulation of Semiconductor Devices *Replaces 2B1248* *Under bearbetning*	7,5	D	24	-	-	32		2				
IH2654 Nanoelectronics *Replaces 2B1234* *Under bearbetning*	9	D	30	10	-	8				4		
IH2655 Design and Characterisation of Nano- and Microdevices* *Replaces 2B1242* *Under bearbetning*	7,5	D	24	-	-	32			3			
IH2656 Advanced Semiconductor Materials *Replaces 2B1823* *Under bearbetning*	7,5	D	34	-	-	16			3		Study tour to a semiconductor industry	
IH2657 Design of Nano Semiconductor Devices *Replaces 2B1246* *Under bearbetning*	7,5	D	-	-	-	-				4		
IL1218 Analog Electronics, Advanced Course *Replaces 2B1515. The course IL1218 replayces by IL2218.* *Under bearbetning*	7,5	C	30	14	-	20		2	3		Project work	
IL2201 Design of Digital Integrated Circuits - VLSI *Replaces 2B1428* *Under bearbetning*	7,5	D	20	8	-	16			3	4		

IL2208 Electronic System Packaging (Hardware Enginering) *Replaces 2B1450* *Under bearbetning*	7,5	D	20	16	-	-			3		
IL2218 Analog Electronics, Advanced Course *Under bearbetning*	7,5	D	30	14	-	20		2	3		Project work
IL2219 Radio Electronics *Replaces 2B1600* *Under bearbetning*	7,5	D	26	12	-	16				4	
IL2221 Advanced Topics in Mixed Mode Design *Replaces 2B1670* *Under bearbetning*	7,5	D	24	-	-	-	1				12 h Projektuppgift12 h Projektuppgift
IM2651 Physics of Electronic Materials *Replaces 2B1211* *Under bearbetning*	7,5	C	40	24	-	8	1				
IO2653 Fiber-optical Communication *Replaces 2B1813* *Under bearbetning*	7,5	D	28	14	-	8			3		
IO2655 Photonics *Replaces 2B1814* *Under bearbetning*	7,5	D	38	-	-	8				4	
Elective Courses											
IT2655 Frontiers of Microelectronics and Information Technology *Offered twice a year, either fall or spring.* *Under bearbetning*	6	D	20	-	-	-	1	2	3	4	

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

Software Engineering and Security IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
IC1000 Human-Computer Interaction *Replaces 2I1029* *Under bearbetning*	6	C	-	-	-	-	1				
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2			
IV1000 Object Oriented Analysis and Design *Replaces 2I1034* *Under bearbetning*	6	C	-	-	-	-	1				
IV1007 Relational Database Technology *Replaces 2I1075* *Under bearbetning*	6	C	-	-	-	-		2			
SF1642 Logic *Replaces 5B1928.* *Under bearbetning*	6	A	40	20	-	-	1	2			
Conditionally Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	

IC1003 Cognitive Science *Replaces 2I1095. Kursen utgår och ersätts av IC1008 f o m läå 07/08* *Under bearbetning*	6	C	25	-	-	-			3		Course assignment work 120
IC1008 Cognitive Science *Replaces IC1003. The course not given 07/08.* *Under bearbetning*	7,5	C	25	-	-	-			3		Course assignment work 120
IC2002 Philosophy of Science *Replaces 2I1530* *Under bearbetning*	7,5	D	-	-	-	-				4	
IC2005 Methodology of Interaction Design . *Replaces 2I1716* *Under bearbetning*	7,5	D	-	-	-	-				4	
ID1009 Agile Software Construction *Replaces 2I1281* *Under bearbetning*	9	C	-	-	-	-			3		
ID1011 Introduction to Software Engineering *Replaces 2I1901* *Under bearbetning*	7,5	C	15	-	-	-			3		Seminars 6 hours, project 120 hours
ID1217 Concurrent Programming *Replaces 2G1915* *Under bearbetning*	7,5	C	36	-	-	24			3		
ID2003 Software Testing and Metrics *Replaces 2I1282* *Under bearbetning*	7,5	D	40	-	120	-			3		

ID2011 Microsimulation *Replaces 2I1719. The course not given 07/08. Under bearbetning*	7,5	D	-	-	-	-				4	
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given in Kista. Replaces 2G1305 Under bearbetning*	6	C	14	14	-	-				4	
IV1013 Introduction to Computer Security *Replaces 2I1515 Under bearbetning*	7,5	B	22	-	-	15			3		

Software Engineering and Security IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
DD2452 Formal Methods *Replaces 2D1452.*	7,5	D	20	14	-	12			3		
Conditionally Elective Courses											
ID2001 Current Problems in Software Engineering *Replaces 2I1249 Under bearbetning*	7,5	D	-	-	-	-					

ID2002 Value-Based Software Engineering *Replaces 2I1259. The course not given 07/08. Under bearbetning*	7,5	D	28	-	-	-				4	Seminar 14 h
ID2004 Formal Methods in Software Engineering *Replaces 2I1283. This course is not given 2007/2008. Under bearbetning*	7,5	C	20	16	-	-				4	Varies, total workload is 200 hours
ID2005 Dynamic Programming Languages *Replaces 2I1284 Under bearbetning*	7,5	C	30	-	-	-				4	
ID2008 Software Engineering and Security Architecture *Replaces 2I1504 Under bearbetning*	7,5	D	18	-	-	18			3		
ID2017 Advanced Issues in Object-Orientation *Replaces 2I1902 Under bearbetning*	7,5	C	30	-	-	120		2			
ID2213 Logic Programming *Replaces 2G1530 Under bearbetning*	7,5	D	16	12	-	-	1				Individual work on project and group presentation 4h
IK2000 Security Architecture for Open Distributed Systems *Replaces 2I1512 Under bearbetning*	7,5	D	24	-	-	16			3		
IK2001 Security for Java Environment and Electronic Commerce *Replaces 2I1513 Under bearbetning*	7,5	D	-	-	-	-				4	
IK2002 Security in Mobile and Wireless Networks *Replaces 2I1514 Under bearbetning*	7,5	D	24	-	-	16				4	

IV2000 Security Management *Replaces 2I1050* *Under bearbetning*	7,5	D	27	-	-	-				4	
IV2019 Introduction to Cryptography *Replaces 2i1502* *Under bearbetning*	7,5	D	28	-	-	12		2			
IV2020 Network Security *Replaces 2I1503* *Under bearbetning*	7,5	D	18	-	-	18		2			
IV2021 Legal Aspects of Information Security *Replaces 2I1505* *Under bearbetning*	7,5	D	22	-	-	12			3		
IV2022 Security Management *Replaces 2I1506* *Under bearbetning*	15	D	24	-	-	6				4	Seminars 18 hours
IV2023 Value Based Risk Management *Replaces 2I1511. The course is not given HT07.* *Under bearbetning*	7,5	D	12	12	-	-		2			

Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

System-on-Chip IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EQ1100 Signals and Systems, part II *Replaces 2E1313*	7,5	G	30	28	60	4		2			
IL2217 Digital Design with HDL *Replaces 2B1513* *Under bearbetning*	7,5	D	22	10	-	28	1				
SF1635 Signals and Systems, part I *Replaces 5B1209.*	7,5	A	-	-	60	-	1				
Conditionally Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IH1611 Semiconductor Devices *Replaces 2B1252* *Under bearbetning*	7,5	C	32	10	-	12				4	
IL2204 DSP-Construction with HDL *Replaces 2B1435* *Under bearbetning*	7,5	D	24	12	-	24			3		

System-on-Chip IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other

Conditionally Elective Courses											
ID2218 Design of Fault-tolerant Systems *Replaces 2B1454.* *Under bearbetning*	7,5	D	24	10	-	-				4	
IL1218 Analog Electronics, Advanced Course *Replaces 2B1515. The course IL1218 replayces by IL2218.* *Under bearbetning*	7,5	C	30	14	-	20		2	3		Project work
IL2200 ASIC-design Methodology with High-level Languages *Replaces 2B1423* *Under bearbetning*	7,5	D	20	4	-	20		2			
IL2201 Design of Digital Integrated Circuits - VLSI *Replaces 2B1428* *Under bearbetning*	7,5	D	20	8	-	16			3	4	
IL2202 System Modelling *Replaces 2B1429* *Under bearbetning*	7,5	D	20	12	-	-			3		Exercises 12
IL2206 Embedded Systems *Replaces 2B1446*	7,5	C	24	8	-	16	1				
IL2207 System-On-Chip Architectures *Replaces 2B1448* *Under bearbetning*	7,5	D	24	8	-	12		2			
IL2208 Electronic System Packaging (Hardware Enginering) *Replaces 2B1450* *Under bearbetning*	7,5	D	20	16	-	-			3		
IL2212 Embedded Software *Replaces 2B1463* *Under bearbetning*	7,5	D	20	8	-	12			3		
IL2218 Analog Electronics, Advanced Course *Under bearbetning*	7,5	D	30	14	-	20		2	3		Project work

IL2219 Radio Electronics *Replaces* *2B1600* *Under bearbetning*	7,5	D	26	12	-	16				4	
IL2221 Advanced Topics in Mixed Mode Design *Replaces* *2B1670* *Under bearbetning*	7,5	D	24	-	-	-	1				12 h Projektuppgift12 h Projektuppgift

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Previous academic year (06/07) Next academic year (08/09)

Information and Communication Technology

Wireless systems IT3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EQ1100 Signals and Systems, part II *Replaces 2E1313*	7,5	G	30	28	60	4		2			
IL2217 Digital Design with HDL *Replaces 2B1513* *Under bearbetning*	7,5	D	22	10	-	28	1				
SF1635 Signals and Systems, part I *Replaces 5B1209.*	7,5	A	-	-	60	-	1				
Conditionally Elective Courses											
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IH1611 Semiconductor Devices *Replaces 2B1252* *Under bearbetning*	7,5	C	32	10	-	12				4	
IL2204 DSP-Construction with HDL *Replaces 2B1435* *Under bearbetning*	7,5	D	24	12	-	24			3		

Wireless systems IT4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other

Compulsory Courses											
IK2500 Radio Communication, Basic Course *Replaces 2E1511* *Under bearbetning*	6	D	24	24	-	8	1				
IK2501 Wireless Transmission Techniques *Replaces 2E1514* *Under bearbetning*	6	D	26	26	-	-			3		
IK2555 Wireless and Mobile Network Architectures *Replaces 2G1330* *Under bearbetning*	7,5	D	10	-	-	-			3		Assigned paper 50h
Conditionally Elective Courses											
EN2500 Information Theory and Source Coding	7,5	D	36	12	-	-			3		
EP2200 Queuing Theory and Teletraffic Systems *The course replaces 2E1618.*	7,5	C	24	24	-	-		2			
EP2300 Management of Networks and Networked Systems *The course replaces 2E1632.* *Under bearbetning*	7,5	A	20	-	-	20				4	Project
EQ2300 Digital Signal Processing *Replaces 2E1340*	7,5	A	26	16	-	8		2			
EQ2400 Adaptive Signal Processing *Replaces 2E1350*	6	A	24	14	-	-			3		
EQ2460 Seminars in Wireless Systems *Replaces 2E1381*	3	A	-	-	-	-			3	4	16 h Seminars16 h Seminars
ID2201 Distributed Systems, Basic Course *Replaces 2G1509*	7,5	D	24	-	-	-	1				Project work 12 hours
ID2207 Modern Methods in Software Engineering *Replaces 2G1522* *Under bearbetning*	7,5	D	20	10	-	-	1				

ID2208 Programming Web-Services *Replaces* *2G1523* *Under* *bearbetning*	7,5	D	20	10	-	-			3		
IK2502 Wireless Networks* *Replaces* *2E1512* *Under* *bearbetning*	12	D	30	24	-	12				4	80 h Projektuppgift80 h Projektuppgift
IL2219 Radio Electronics *Replaces* *2B1600* *Under* *bearbetning*	7,5	D	26	12	-	16				4	

*The course has limited participation

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Master of Science in Engineering and of Education, Degree Programme in Mathematics and Chemistry

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Chemistry CLMKE2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
DN1240 Numerical Methods, Basic Course II *Replaces 2D1240.*	6	A	24	14	-	14		2	3		
KD1020 Introductory Chemistry	6	A	24	18	-	22	1				
KD1030 Chemical Equilibria	6	A	12	22	-	25			3	4	
KE1010 Introduction to Chemical Engineering	10,5	A	35	14	-	-		2	3		3 h Seminars, 68 h Projektuppgift, 8 h Study visit3 h Seminars, 68 h Projektuppgift, 8 h Study visit
KTD110 Educational Perspective on Mathematics, incl Teaching Practice	15	A	-	-	-	-				4	
KTD140 Educational Perspective on Chemistry, incl Teaching Practice	15	B	-	-	-	-	1				
SAUO2N Perspectives of Educational Science, incl Teaching Practice	30	A	-	-	-	-	1	2			
SF1610 Discrete Mathematics *Replaces 5B1118.*	7,5	A	50	25	-	-			3	4	
SF1637 Differential Equations and Transforms III *Replaces 5B1212.*	6	C	40	20	-	-		2	3		
Conditionally Elective Courses											

AK2001 Mathematics and Reality *Replaces 1H1601. (prior level C)*	7,5	A	20	10	-	-				4		
AK2002 Good and Bad Science *Replaces 1H1602. (prior level C)*	7,5	A	32	-	-	-			3	4		
AK2004 Philosophy of Risk *Replaces 1N1604. (prior level C)*	7,5	A	20	-	-	-		2			10h seminars	
AK2006 Information Analysis *replaces 1N1107. (prior level C)*	7,5	A	14	14	-	-				4		
AK2007 Computer- and Information Ethics *Replaces 1N1108. (prior level C)*	7,5	A	20	10	-	-			3			
AK2010 Aesthetics and Technology *Replaces 1N1113. (prior level C)*	7,5	A	20	10	-	-		2				
AK2014 Decision Theory *Replaces 1N1117. (prior level C)*	7,5	A	16	14	-	-	1					
AK2016 Management Ethics *Replaces 1N1119. (prior level C)*	7,5	A	18	-	-	-	1				Seminars 8h	
EH2030 Business Development and Quality Management *Replaces 2C1522*	7,5	A	36	10	-	-		2				
Elective Courses												
KE1110 Introductory Course in Chemistry	1,5	G	-	-	-	-						

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Master of Science in Engineering and of Education, Degree Programme in Mathematics and Chemistry

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Chemistry CLMKE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
DH1601 Communication and Media *Replaces 2D1601*	7,5	C	24	20	-	-			3	4	
KD1040 Chemical Thermodynamics	7,5	B	28	30	-	15	1	2			
KD1070 Molecular Structure	6	B	36	22	-	20		2	3		
KD1090 Organic Chemistry 1	7,5	B	22	14	-	42		2			
KTD140 Educational Perspective on Chemistry, incl Teaching Practice	15	B	-	-	-	-				4	
SAUO2N Perspectives of Educational Science, incl Teaching Practice	30	A	-	-	-	-			3	4	
SF1905 Probability Theory and Statistics, Basic Course *Replaces 5B1505.*	6	C	24	36	-	-		2			

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Master of Science in Engineering and of Education, Degree Programme in Mathematics and Chemistry

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Chemistry CLMKE4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KD1080 Chemical Dynamics	6	B	20	20	-	15			3		
KD1120 Analytical Chemistry	6	C	-	-	-	-	1				
KD2130 Inorganic Chemistry *Under bearbetning*	4	D	20	6	-	16	1				
KTD110 Educational Perspective on Mathematics, incl Teaching Practice	15	A	-	-	-	-	1				
KTD140 Educational Perspective on Chemistry, incl Teaching Practice	15	B	-	-	-	-				4	
SF2710 Mathematics, Advanced Course *Replaces 5B1493.*	7,5	C	-	-	54	-		2	3		
Conditionally Elective Courses											
AK2001 Mathematics and Reality *Replaces 1H1601. (prior level C)*	7,5	A	20	10	-	-				4	
AK2002 Good and Bad Science *Replaces 1H1602. (prior level C)*	7,5	A	32	-	-	-			3	4	
AK2003 Technology and Ethics *Replaces 1H1603. (prior level C)*	7,5	A	18	-	-	-			3		Seminars 8h

AK2004 Philosophy of Risk *Replaces 1N1604. (prior level C)*	7,5	A	20	-	-	-		2			10h seminars
AK2006 Information Analysis *replaces 1N1107. (prior level C)*	7,5	A	14	14	-	-				4	
AK2007 Computer- and Information Ethics *Replaces 1N1108. (prior level C)*	7,5	A	20	10	-	-			3		
AK2010 Aesthetics and Technology *Replaces 1N1113. (prior level C)*	7,5	A	20	10	-	-		2			
AK2014 Decision Theory *Replaces 1N1117. (prior level C)*	7,5	A	16	14	-	-	1				
AK2016 Management Ethics *Replaces 1N1119. (prior level C)*	7,5	A	18	-	-	-	1				Seminars 8h
DH2624 Human-Computer Interaction - a Didactive Perspective *Replaces 2D1624.*	7,5	C	4	10	-	-	1	2			
EH2030 Business Development and Quality Management *Replaces 2C1522*	7,5	A	36	10	-	-		2			

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Master of Science in Engineering and of Education, Degree Programme in Mathematics and Chemistry

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Chemistry CLMKE5

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
KTD110 Educational Perspective on Mathematics, incl Teaching Practice	15	A	-	-	-	-		2			
KTD140 Educational Perspective on Chemistry, incl Teaching Practice	15	B	-	-	-	-		2			
KTEX4N Master's Project in Technology and Learning *Under bearbetning*	30	D	-	-	-	-					
SF2711 The History of Mathematics *Replaces 5B1495. Under bearbetning*	7,5	D	-	-	36	-	1				

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Previous academic year (06/07) Next academic year (08/09)

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Information Technology and Computer Science

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Information Technology and Computer Science CLMDA2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
DD1320 Applied Computer Science *Replaces 2D1320.*	6	A	28	14	-	20	1	2			
DD2377 Low Level Programming and Computer Architecture *Replaces 2D1377.*	7,5	C	28	-	-	24			3		
DH1607 Learning and ICT, Project Course *Replaces 2D1607.*	6	C	25	25	-	-	1	2			
DN1240 Numerical Methods, Basic Course II *Replaces 2D1240.*	6	A	24	14	-	14		2	3		
KTD110 Educational Perspective on Mathematics, incl Teaching Practice	15	A	-	-	-	-				4	
KTD130 Educational Perspective on ICT, incl Teaching Practice	15	A	-	-	-	-			3	4	
MF1035 Electrical Engineering, Basic Course Media *Replaces 4F1224* *Under bearbetning*	6	A	12	21	-	13				4	
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-	1				Seminars 5 h Project work Study visit

SAUO2N Perspectives of Educational Science, incl Teaching Practice	30	A	-	-	-	-	1	2			
SF1610 Discrete Mathematics *Replaces 5B1118.*	7,5	A	50	25	-	-			3	4	
SF1637 Differential Equations and Transforms III *Replaces 5B1212.*	6	C	40	20	-	-		2	3		

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Master of Science in Engineering and of Education, Degree Programme in Mathematics and Information Technology and Computer Science

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Information Technology and Computer Science CLMDA3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
DD1334 Database Technology *Replaces 2D1334.*	6	C	24	20	-	12			3		
DH1601 Communication and Media *Replaces 2D1601*	7,5	C	24	20	-	-			3	4	
DH1607 Learning and ICT, Project Course *Replaces 2D1607.*	6	C	25	25	-	-	1	2			
DH2624 Human-Computer Interaction - a Didactive Perspective *Replaces 2D1624.*	7,5	C	4	10	-	-	1	2			
KTD130 Educational Perspective on ICT, incl Teaching Practice	15	A	-	-	-	-			3	4	
SAUO2N Perspectives of Educational Science, incl Teaching Practice	30	A	-	-	-	-			3	4	
SF1905 Probability Theory and Statistics, Basic Course *Replaces 5B1505.*	6	C	24	36	-	-		2			
Conditionally Elective Courses											
SH1007 Physics of Microcosmos *Replaces 5A1242.*	6	A	24	18	-	-		2			
SK1130 Optical Communication and Imaging	6	A	24	18	-	10		2			

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Master of Science in Engineering and of Education, Degree Programme in Mathematics and Information Technology and Computer Science

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Information Technology and Computer Science CLMDA4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
DH2605 Science, Technology and Learning, part II *Replaces 2D1605.*	4,5	C	4	-	-	-	1	2	3	4	
KTD110 Educational Perspective on Mathematics, incl Teaching Practice	15	A	-	-	-	-	1				
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-		2			Project work Seminars 5 h Study visit
SF2710 Mathematics, Advanced Course *Replaces 5B1493.*	7,5	C	-	-	54	-		2	3		
Conditionally Elective Courses											
DD1361 Programming Paradigms *Replaces 2D1361.*	7,5	C	42	-	-	24	1	2			
DD2354 Algorithms and Complexity *Replaces 2D1354.*	6	C	30	18	-	-	1	2			
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
DD2380 Artificial Intelligence *Replaces 2D1380.*	6	C	24	12	-	30	1				

DD2387 Program System Construction Using C++ *Replaces 2D1387.*	6	C	18	6	-	32	1	2				
DD2390 Internet Programming *Replaces 2D1390.*	6	C	18	-	-	32		2				
DD2395 Computer Security *Replaces 2D1395.*	6	C	28	6	-	16	1					Seminars 2 h in per 2
DD2426 Robotics and Autonomous Systems* *Replaces 2D1426.*	7,5	D	16	-	-	60				4		
DD2431 Machine Learning *Replaces 2D1431.*	6	C	26	-	-	20		2				
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3			
DD2440 Advanced Algorithms *Replaces 2D1440.*	6	D	30	-	-	-		2				
DD2449 Foundations of Cryptography *Replaces 2D1449.*	6	D	30	-	-	-			3			
DD2469 Database Theory *Replaces 2D1469. The course is given every second year. It will be given 07/08.*	6	D	31	17	-	-	1					
DD2471 Modern Database Systems and Their Applications *Replaces 2D1471.*	7,5	D	26	8	-	-				4		
DD2483 Development of Web Applications with Enterprise Java *Replaces 2D1483.*	6	D	16	-	-	32			3			
DD2486 Systems Programming and Operating Systems *Replaces 2D1486.*	7,5	D	24	-	-	24		2				

DH2323 Computer Graphics and Interaction *Replaces 2D1323. Allowed for all programmes except D.*	6	C	28	-	-	8				4	
DH2413 Advanced Graphics and Interaction *Replaces 2D1413.*	9	D	46	-	-	12	1	2			
DH2418 Language Engineering *Replaces 2D1418.*	6	D	40	-	-	12	1				
DH2622 Human-Computer Interaction, Advanced Course with Prototyping *Replaces 2D1622.*	9	C	18	5	-	8		2			
DH2655 Cooperative IT-design *Replaces 2D1655.*	9	D	28	10	-	8			3	4	
DN2220 Applied Numerical Methods I *Replaces 2D1220.*	6	C	36	-	-	14			3	4	
DN2225 Numerical Solutions of Differential Equations *Replaces 2D1225.*	6	C	24	4	-	12	1	2			
SF2715 Applied Combinatorics *Replaces 5B1305. Not given 07/08.*	6	C	-	-	42	-					

*The course has limited participation

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Master of Science in Engineering and of Education, Degree Programme in Mathematics and Information Technology and Computer Science

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Information Technology and Computer Science CLMDA5

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KTD110 Educational Perspective on Mathematics, incl Teaching Practice	15	A	-	-	-	-		2			
KTD130 Educational Perspective on ICT, incl Teaching Practice	15	A	-	-	-	-		2			
KTEX4N Master's Project in Technology and Learning *Under bearbetning*	30	D	-	-	-	-					
SF2711 The History of Mathematics *Replaces 5B1495. Under bearbetning*	7,5	D	-	-	36	-	1				
Conditionally Elective Courses											
DD1361 Programming Paradigms *Replaces 2D1361.*	7,5	C	42	-	-	24	1	2			
DD2354 Algorithms and Complexity *Replaces 2D1354.*	6	C	30	18	-	-	1	2			
DD2371 Theory of Automata *Replaces 2D1371.*	6	C	20	10	-	-				4	
DD2380 Artificial Intelligence *Replaces 2D1380.*	6	C	24	12	-	30	1				

DD2387 Program System Construction Using C++ *Replaces 2D1387.*	6	C	18	6	-	32	1	2				
DD2390 Internet Programming *Replaces 2D1390.*	6	C	18	-	-	32		2				
DD2395 Computer Security *Replaces 2D1395.*	6	C	28	6	-	16	1					Seminars 2 h in per 2
DD2426 Robotics and Autonomous Systems* *Replaces 2D1426.*	7,5	D	16	-	-	60				4		
DD2431 Machine Learning *Replaces 2D1431.*	6	C	26	-	-	20		2				
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3			
DD2440 Advanced Algorithms *Replaces 2D1440.*	6	D	30	-	-	-		2				
DD2449 Foundations of Cryptography *Replaces 2D1449.*	6	D	30	-	-	-			3			
DD2469 Database Theory *Replaces 2D1469. The course is given every second year. It will be given 07/08.*	6	D	31	17	-	-	1					
DD2471 Modern Database Systems and Their Applications *Replaces 2D1471.*	7,5	D	26	8	-	-				4		
DD2486 Systems Programming and Operating Systems *Replaces 2D1486.*	7,5	D	24	-	-	24		2				
DH2323 Computer Graphics and Interaction *Replaces 2D1323. Allowed for all programmes except D.*	6	C	28	-	-	8				4		

DH2413 Advanced Graphics and Interaction *Replaces 2D1413.*	9	D	46	-	-	12	1	2			
DH2418 Language Engineering *Replaces 2D1418.*	6	D	40	-	-	12	1				
DH2622 Human-Computer Interaction, Advanced Course with Prototyping *Replaces 2D1622.*	9	C	18	5	-	8		2			
DH2655 Cooperative IT-design *Replaces 2D1655.*	9	D	28	10	-	8			3	4	
DN2220 Applied Numerical Methods I *Replaces 2D1220.*	6	C	36	-	-	14			3	4	
DN2225 Numerical Solutions of Differential Equations *Replaces 2D1225.*	6	C	24	4	-	12	1	2			
SF2715 Applied Combinatorics *Replaces 5B1305.* *Not given 07/08.*	6	C	-	-	42	-					

*The course has limited participation

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Previous academic year (06/07) Next academic year (08/09)

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Physics

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Physics CLMFY2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DN1240 Numerical Methods, Basic Course II *Replaces 2D1240.*	6	A	24	14	-	14		2	3		
KTD110 Educational Perspective on Mathematics, incl Teaching Practice	15	A	-	-	-	-				4	
SAUO2N Perspectives of Educational Science, incl Teaching Practice	30	A	-	-	-	-	1	2			
SF1610 Discrete Mathematics *Replaces 5B1118.*	7,5	A	50	25	-	-			3	4	
SF1637 Differential Equations and Transforms III *Replaces 5B1212.*	6	C	40	20	-	-		2	3		
SG1130 Mechanics I *Replaces 5C1130.*	9	A	48	-	27	-			3	4	
SI1100 Physics, Basic Course I *Replaces 5A1203.*	9	A	46	30	-	10	1	2			Project work
SI1140 Mathematical Methods in Physics *Replaces 5A1306.*	9	B	42	48	-	-	1		3	4	
SK1100 Physics, Basic Course II *Replaces 5A1204.*	9	A	38	20	-	16			3	4	

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Previous academic year (06/07) Next academic year (08/09)

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Physics

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Physics CLMFY3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DH1601 Communication and Media *Replaces 2D1601*	7,5	C	24	20	-	-			3	4	
EI1260 Electromagnetic Theory CL, Introductory Course *Replaces 2A1860*	6	G	37	36	-	-	1	2			
SAUO2N Perspectives of Educational Science, incl Teaching Practice	30	A	-	-	-	-			3	4	
SF1905 Probability Theory and Statistics, Basic Course *Replaces 5B1505.*	6	C	24	36	-	-		2			
SG1140 Mechanics II *Replaces 5C1140.*	6	B	30	15	-	-	1				
SH1009 Modern Physics *Replaces 5A1247* *Under bearbetning*	10,5	B	44	30	-	14			3	4	
SI1140 Mathematical Methods in Physics *Replaces 5A1306.*	9	B	42	48	-	-	1		3	4	
Elective Courses											
EI1265 Electromagnetic Theory CL, Optional Course *Replaces 2A1865*	3	G	14	14	-	-	1	2			

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Master of Science in Engineering and of Education, Degree Programme in Mathematics and Physics

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Physics CLMFY4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
KTD110 Educational Perspective on Mathematics, incl Teaching Practice	15	A	-	-	-	-	1				
KTD120 Educational Perspective on Physics, incl Teaching Practice	15	A	-	-	-	-				4	
MJ2411 Renewable Energy Technology *Replaces 4A1611*	6	D	-	-	52	-	1				Study visit 8h
SF1610 Discrete Mathematics *Replaces 5B1118.*	7,5	A	50	25	-	-			3	4	
SF2710 Mathematics, Advanced Course *Replaces 5B1493.*	7,5	C	-	-	54	-		2	3		
SH2402 Astrophysics *Replaces 5A1440.*	6	D	18	-	-	-			3		
Conditionally Elective Courses											
AK2001 Mathematics and Reality *Replaces 1H1601. (prior level C)*	7,5	A	20	10	-	-				4	
AK2002 Good and Bad Science *Replaces 1H1602. (prior level C)*	7,5	A	32	-	-	-			3	4	

AK2003 Technology and Ethics *Replaces 1H1603. (prior level C)*	7,5	A	18	-	-	-			3		Seminars 8h
AK2004 Philosophy of Risk *Replaces 1N1604. (prior level C)*	7,5	A	20	-	-	-		2			10h seminars
AK2006 Information Analysis *replaces 1N1107. (prior level C)*	7,5	A	14	14	-	-				4	
AK2007 Computer- and Information Ethics *Replaces 1N1108. (prior level C)*	7,5	A	20	10	-	-			3		
AK2010 Aesthetics and Technology *Replaces 1N1113. (prior level C)*	7,5	A	20	10	-	-		2			
AK2014 Decision Theory *Replaces 1N1117. (prior level C)*	7,5	A	16	14	-	-	1				
AK2016 Management Ethics *Replaces 1N1119. (prior level C)*	7,5	A	18	-	-	-	1				Seminars 8h
DH2624 Human-Computer Interaction - a Didactive Perspective *Replaces 2D1624.*	7,5	C	4	10	-	-	1	2			
EH2030 Business Development and Quality Management *Replaces 2C1522*	7,5	A	36	10	-	-		2			

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Next academic year (08/09)

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Physics

Master of Science in Engineering and of Education, Degree Programme in Mathematics and Physics CLMFY5

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
KTD110 Educational Perspective on Mathematics, incl Teaching Practice	15	A	-	-	-	-		2			
KTD120 Educational Perspective on Physics, incl Teaching Practice	15	A	-	-	-	-		2			
KTEX4N Master's Project in Technology and Learning *Under bearbetning*	30	D	-	-	-	-					
SF2711 The History of Mathematics *Replaces 5B1495. Under bearbetning*	7,5	D	-	-	36	-	1				

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Previous academic year (06/07)

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Materials Design and Engineering

Materials Design and Engineering BD1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
KD1160 Materials Chemistry	12	A	38	38	-	15	1	2	3		6 h Workshop6 h Workshop

Previous academic year (06/07)

Next academic year (08/09)

Materials Design and Engineering

Materials Design and Engineering BD2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DN1212 Numerical Methods and Basic Programming *Replaces 2D1212.*	9	A	32	32	-	28	1	2			
MH1000 Fundamentals of Materials Science and Engineering *Replaces 4H1065*	12	B	64	-	-	30			3	4	
MH1001 No translation *Replaces 4H1064*	9	B	28	-	-	20			3	4	
MH1009 Materials Physics *Replaces 4H1806*	6	B	40	20	-	15				4	
MH1010 Thermodynamics of Materials *Replaces 4H1951*	9	B	48	48	-	12		2	3		
SE1020 Solid Mechanics, Basic Course, BD *Replaces 4C1020.*	9	B	52	32	-	2	1	2			
SF1633 Differential Equations I *Replaces 5B1206.*	6	C	40	20	-	-	1	2			

Previous academic year (06/07)

Next academic year (08/09)

Materials Design and Engineering

Materials Design and Engineering BD3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF2250 Mechanical Properties of Materials	7,5	C	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
MH1011 Fabrication Processes *Replaces 4H1953*	7,5	C	32	8	-	8		2			
MH1012 Transport Phenomena *Replaces 4H1954*	7,5	C	24	24	-	8	1				
MH1013 Micro and Nanostructures *Replaces 4H1114*	7,5	C	-	4	30	18	1				
Conditionally Elective Courses											
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
KF2200 Physical Polymer and Cellulose Chemistry	7,5	C	44	-	-	-			3		
MH1003 Advanced Course in Metallic and Ceramic Materials *Replaces 4H1066*	15	C	62	12	-	-			3	4	
MH100X Degree Project in Materials Design and Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 10 h
SD2515 Project -Biobased Materials and Products *Replaces 4E1603.*	15	D	-	-	336	-	1	2	3	4	
SG1220 Fluid Mechanics for Engineers *Replaces 5C1220.*	6	B	24	10	-	6	1				7 h Seminars7 h Seminars
Elective Courses											

DD1322 Applied Programming and Computer Science, Part 1 *Replaces 2D1322.*	6	B	26	14	-	14		2				
DD1324 Applied Programming and Computer Science, Part 2 *Replaces 2D1324.*	3	B	12	6	-	18			3			
KF2220 Biopolymers	7,5	D	24	10	-	25			3		5h Study visit	
MF1019 Visualisation and Communication 1	6	C	15	-	-	14			3		Workshop 8 h	
MG2013 Advanced Welding Technology, Modulus 1 *Replaces 4G1243*	6	D	20	20	-	20			3			
MJ1403 Energy Technology *Lectures are given jointly with 4A1604 Project Course in Sustainable Energy Systems Replaces 4A1603*	6	C	48	12	-	-			3			
MJ273X Master's Project in Industrial Ecology	30	D	-	-	-	-			3	4	40 h Projektuppgift40 h Projektuppgift	
SG1217 Fluid Mechanics, Basic Course *Replaces 5C1217.*	6	B	24	10	-	6			3		7 h Seminars7 h Seminars	
SK2360 Laser Metrology and Optical Metrology *Replaces 5A1228.*	6	B	24	-	6	-			3	4		
SK2370 Physics of Visual Impressions *Replaces 5A1229.*	6	B	24	-	6	-				4		

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Materials Design and Engineering

Materials Design and Engineering BD4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
KD2270 Biomaterials	6	D	-	-	-	-				4	
KF2220 Biopolymers	7,5	D	24	10	-	25			3		5h Study visit
KF2240 Coating Technology	6	D	30	-	-	24				4	
KF2260 Polymers in Engineering Design	6	D	18	24	-	8				4	
MH2201 Advanced Materials Design	6	D	-	15	-	15			3	4	
SD2515 Project -Biobased Materials and Products *Replaces 4E1603.*	15	D	-	-	336	-	1	2	3	4	
Elective Courses											
MF1019 Visualisation and Communication 1	6	C	15	-	-	14			3		Workshop 8 h
MG2013 Advanced Welding Technology, Modulus 1 *Replaces 4G1243*	6	D	20	20	-	20			3		
MG2022 Advanced CAD Modelling & Rapid Prototyping, Project Course *Replaces 4K1213*	6	D	16	24	-	-		2	3		Project work
MH2029 Extractive Metallurgy	6	D	40	40	-	12		2			study trip 8h
MH2102 Computational Physics *Replaces 4H1115*	7,5	D	24	-	-	-				4	
MJ2451 Management and Leadership in Systems Engineering - Project Course *Replaces 4A1651*	3	A	10	-	-	-				4	

MJ2611 Introduction Industrial Ecology *Replaces 3C1336*	6	C	12	-	-	-	1				Seminars 8 h Project Study visit 4 h
MJ2621 Environmental Technology, Advanced Course *Replaces 3C1341*	7,5	D	34	9	-	-	1				Project Seminars
MJ2652 Environmental Effects from Technical Systems and Processes	6	D	16	-	-	-	1				Seminars 4h Project work Study visit

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Previous academic year (06/07) Next academic year (08/09)

Materials Design and Engineering

Bio Based Materials and Products BD3

One of the courses KF1020, SD1410, SE1003 must be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF2250 Mechanical Properties of Materials	7,5	C	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
MH1011 Fabrication Processes *Replaces 4H1953*	7,5	C	32	8	-	8		2			
MH1012 Transport Phenomena *Replaces 4H1954*	7,5	C	24	24	-	8	1				
MH1013 Micro and Nanostructures *Replaces 4H1114*	7,5	C	-	4	30	18	1				
SD2500 Wood and Cellulose Materials *Replaces 4E1601.*	7	C	56	-	-	18			3	4	
Conditionally Elective Courses											
KF1020 Project Course in Polymer and Cellulose Based Materials	15	C	-	-	-	-			3	4	
KF102X Degree Project in Polymeric Materials, First Level *Under bearbetning*	15	C	-	-	-	-			3	4	

Bio Based Materials and Products BD4

One of the courses KF1020, SD1410, SE1003 must be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2505 Biomaterials and Products *Replaces 4E1112.*	7	C	56	-	-	18	1	2			

SD2510 Experimental Methods for Biobased Materials *Replaces 4E1604.*	7	D	12	-	-	72		2			
SD2515 Project -Biobased Materials and Products *Replaces 4E1603.*	15	D	-	-	336	-	1	2	3	4	
SE2127 Packaging Materials *Replaces 4C1127.*	7,5	D	36	-	-	12			3		
Elective Courses											
KF2280 Structure and Function of Biofibres*	7,5	D	28	-	-	14		2			

*The course has limited participation

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Previous academic year (06/07) Next academic year (08/09)

Materials Design and Engineering

Biomedical Engineering BD3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
KF2250 Mechanical Properties of Materials	7,5	C	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
MH1011 Fabrication Processes *Replaces 4H1953*	7,5	C	32	8	-	8		2			
MH1012 Transport Phenomena *Replaces 4H1954*	7,5	C	24	24	-	8	1				
MH1013 Micro and Nanostructures *Replaces 4H1114*	7,5	C	-	4	30	18	1				
Conditionally Elective Courses											
MH100X Degree Project in Materials Design and Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 10 h

*The course has limited participation

Biomedical Engineering BD4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1009 Neuroscience*	7,5	C	50	-	-	20				4	
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars
HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1				
Elective Courses											

DD2435 Mathematical Modelling of Biological Systems *Replaces 2D1435.*	9	D	26	-	-	20	1	2				
KD2270 Biomaterials	6	D	-	-	-	-				4		
KF2180 Biopolymers	7,5	D	20	6	-	25			3			
KF2190 Polymeric Materials: Structure and Properties	7,5	D	18	18	-	45		2				
KF2210 Polymer Chemistry	7,5	D	24	18	-	30	1					
KF2220 Biopolymers	7,5	D	24	10	-	25			3		5h Study visit	
KF2270 Structure and Properties of Organic Materials	9	C	24	-	-	-	1					
KF2280 Structure and Function of Biofibres*	7,5	D	28	-	-	14		2				
MH2029 Extractive Metallurgy	6	D	40	40	-	12		2			study trip 8h	

*The course has limited participation

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Materials Design and Engineering

Industrial Ecology BD3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF2250 Mechanical Properties of Materials	7,5	C	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
MH1011 Fabrication Processes *Replaces 4H1953*	7,5	C	32	8	-	8		2			
MH1012 Transport Phenomena *Replaces 4H1954*	7,5	C	24	24	-	8	1				
MH1013 Micro and Nanostructures *Replaces 4H1114*	7,5	C	-	4	30	18	1				
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-	1				Seminars 5 h Project work Study visit

Industrial Ecology BD4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MJ2611 Introduction Industrial Ecology *Replaces 3C1336*	6	C	12	-	-	-	1				Seminars 8 h Project Study visit 4 h
MJ2621 Environmental Technology, Advanced Course *Replaces 3C1341*	7,5	D	34	9	-	-	1				Project Seminars
MJ2663 Environmental Management *Replaces 3C1380*	6	C	10	-	-	-	1				Seminars 12 h

MJ2680 Environmental Systems Analysis *Replaces 3C1387*	6	C	16	8	-	6		2				
MJ2691 Technology and Sustainable Development *Replaces 3C1396*	6	C	8	9	-	-		2				
Recommended Courses												
MJ2630 Waste Management, Advanced Course *Replaces 3C1350*	6	D	18	-	-	-				4	Project work, Assignments, Study visit 4 halfdays	
MJ2651 Ecology, Advanced Course *Replaces 3C1356*	6	C	21	4	-	-			3	4	Field work 8h	
MJ2653 Environmental Consequences, Advanced Course II *Replaces 3C1365*	6	D	15	15	-	40	1	2			Field exercises	
MJ2664 Environmental Management II, Advanced Course *Replaces 3C1381*	6	D	8	6	-	-				4	Project	
MJ2670 Risk Management *Replaces 3C1383*	6	C	16	15	-	-	1				The course is given in Swedish in period 1 and in English in period 3.	

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Previous academic year (06/07) Next academic year (08/09)

Materials Design and Engineering

Lightweight Structures BD3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF2250 Mechanical Properties of Materials	7,5	C	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
MH1011 Fabrication Processes *Replaces 4H1953*	7,5	C	32	8	-	8		2			
MH1012 Transport Phenomena *Replaces 4H1954*	7,5	C	24	24	-	8	1				
MH1013 Micro and Nanostructures *Replaces 4H1114*	7,5	C	-	4	30	18	1				
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		
SF1861 Optimization for T *Replaces 5B1762.*	6	C	28	16	-	8				4	
Conditionally Elective Courses											
SA109X No translation *Under bearbetning*	15	C	-	-	-	-			3	4	

Lightweight Structures BD4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				

SD2413 Fibre Composites - Analysis and Design *Replaces 4E1113.*	6	D	52	-	-	6		2			
SD2414 Fiber Composites - Materials and Manufacturing *Replaces 4E1114.*	6	C	40	-	-	8			3	4	
SD2415 Process Modelling for Composite Manufacturing *Replaces 4E1115.* *Not given 07/08.*	6	D	18	-	-	18					
SD2416 Structural Optimisation and Sandwich Design *Replaces 4E1116.*	6	D	40	-	-	18			3		
Conditionally Elective Courses											
SD2432 Lightweight Design* *Replaces 4E1132.*	20	D	-	-	336	-	1	2	3	4	
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	
SD2505 Biomaterials and Products *Replaces 4E1112.*	7	C	56	-	-	18	1	2			

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Materials Design and Engineering

Materials Science - Process Design BD3

One of the courses MH1002, KF1020, SE1003, SD1410 has to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF2250 Mechanical Properties of Materials	7,5	C	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
MH1011 Fabrication Processes *Replaces 4H1953*	7,5	C	32	8	-	8		2			
MH1012 Transport Phenomena *Replaces 4H1954*	7,5	C	24	24	-	8	1				
MH1013 Micro and Nanostructures *Replaces 4H1114*	7,5	C	-	4	30	18	1				
Conditionally Elective Courses											
KF1020 Project Course in Polymer and Cellulose Based Materials	15	C	-	-	-	-			3	4	
KF102X Degree Project in Polymeric Materials, First Level *Under bearbetning*	15	C	-	-	-	-			3	4	
MH100X Degree Project in Materials Design and Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 10 h

Materials Science - Process Design BD4

One of the courses MH1002, KF1020, SE1003, SD1410 has to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MH2000 Experimental Methods in Materials Science *Replaces 4H1069*	6	D	10	10	-	20			3		

MH2252 Casting Processing* *Replaces 4M1334*	6	D	12	24	-	18			3		
MH2452 Equilibria in Metallurgical Processes *Replaces 4H1956*	6	C	22	22	-	10	1				8 h Seminars8 h Seminars
MH2453 No translation *Replaces 4H1958*	6	D	18	18	-	12		2			
MH2502 Application of Chemical Equilibria in Metallurgical Processes *Replaces 4H1957*	6	D	18	18	-	12		2			
MH2503 Reactor and Process Technology *Replaces 4H1959*	6	D	18	14	-	8			3		
MH2551 Chemical Kinetics *Replaces 4H1963*	6	D	18	18	12	-	1				4 h Seminars, 64 h Projektuppgift4 h Seminars, 64 h Projektuppgift
Conditionally Elective Courses											
MH2103 High Performance Steels and Other Alloys *Replaces 4H2103*	6	D	16	8	-	-			3		
MH2150 Mechanical properties, Advanced course *Replaces 4H1206*	6	D	16	16	-	8				4	
MH2200 Applied Thermodynamic and Kinetic computations	6	D	6	34	-	-		2			
MH2283 Solidification Processing *Replaces 4M1370*	6	D	36	24	-	-	1	2			
MH2300 Functional Materials *Replaces 4H1609*	6	D	18	-	-	6			3		Study visit 8h
MH2302 Materials Optimization *Replaces 4H1614*	6	D	24	18	-	12				4	
MH2450 International Seminar in Material Processes *Ersätter 4H1925*	6	D	2	-	-	-				4	120 h Projektuppgift120 h Projektuppgift
MH2500 Energy and Environmental Issues within the Process Industry *Replaces 4H1944*	6	C	24	24	-	-			3		
MH2501 Economical Process Analysis and Strategy *Replaces 4H1945*	6	B	12	12	-	-				4	60 h Projektuppgift60 h Projektuppgift

MH2504 Industrial Metallurgical Processes *Replaces 4H1962*	6	D	-	-	-	-				4	
MH2550 Micro modelling *Replaces 4H1961*	6	D	20	-	12	-				4	64 h Projektuppgift64 h Projektuppgift
Elective Courses											
MH2029 Extractive Metallurgy	6	D	40	40	-	12		2			study trip 8h

*The course has limited participation

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Previous academic year (06/07) Next academic year (08/09)

Materials Design and Engineering

Materials Science BD3

One of the courses MH1002, KF1020, SE1003, SD1410 has to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF2250 Mechanical Properties of Materials	7,5	C	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
MH1003 Advanced Course in Metallic and Ceramic Materials *Replaces 4H1066*	15	C	62	12	-	-			3	4	
MH1011 Fabrication Processes *Replaces 4H1953*	7,5	C	32	8	-	8		2			
MH1012 Transport Phenomena *Replaces 4H1954*	7,5	C	24	24	-	8	1				
MH1013 Micro and Nanostructures *Replaces 4H1114*	7,5	C	-	4	30	18	1				
Conditionally Elective Courses											
KF1020 Project Course in Polymer and Cellulose Based Materials	15	C	-	-	-	-			3	4	
KF102X Degree Project in Polymeric Materials, First Level *Under bearbetning*	15	C	-	-	-	-			3	4	
MH100X Degree Project in Materials Design and Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 10 h

Materials Science BD4

One of the courses MH1002, KF1020, SE1003, SD1410 has to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											

KD2260 Corrosion and Surface Protection, General Course	6	C	16	12	-	-	1				12 h Seminars12 h Seminars
KD2270 Biomaterials	6	D	-	-	-	-				4	
MH2000 Experimental Methods in Materials Science *Replaces 4H1069*	6	D	10	10	-	20			3		
MH2100 Powder Metallurgy *Replaces 4H1113*	6	D	18	18	-	12		2			
MH2103 High Performance Steels and Other Alloys *Replaces 4H2103*	6	D	16	8	-	-			3		
MH2200 Applied Thermodynamic and Kinetic computations	6	D	6	34	-	-		2			
MH2352 Physics and Chemistry of Modern Materials *Replaces 4H1807*	6	D	20	4	-	8		2			
Conditionally Elective Courses											
MH2150 Mechanical properties, Advanced course *Replaces 4H1206*	6	D	16	16	-	8				4	
MH2201 Advanced Materials Design	6	D	-	15	-	15			3	4	
MH2300 Functional Materials *Replaces 4H1609*	6	D	18	-	-	6			3		Study visit 8h
MH2302 Materials Optimization *Replaces 4H1614*	6	D	24	18	-	12				4	
MH2450 International Seminar in Material Processes *Ersätter 4H1925*	6	D	2	-	-	-				4	120 h Projektuppgift120 h Projektuppgift
MH2500 Energy and Environmental Issues within the Process Industry *Replaces 4H1944*	6	C	24	24	-	-			3		
MH2504 Industrial Metallurgical Processes *Replaces 4H1962*	6	D	-	-	-	-				4	
MH2550 Micro modelling *Replaces 4H1961*	6	D	20	-	12	-				4	64 h Projektuppgift64 h Projektuppgift
MH2551 Chemical Kinetics *Replaces 4H1963*	6	D	18	18	12	-	1				4 h Seminars, 64 h Projektuppgift4 h Seminars, 64 h Projektuppgift
Elective Courses											
MH2029 Extractive Metallurgy	6	D	40	40	-	12		2			study trip 8h

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Materials Design and Engineering

Polymeric and Fibre Materials BD3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF1020 Project Course in Polymer and Cellulose Based Materials	15	C	-	-	-	-			3	4	
KF102X Degree Project in Polymeric Materials, First Level *Under bearbetning*	15	C	-	-	-	-			3	4	
KF2200 Physical Polymer and Cellulose Chemistry	7,5	C	44	-	-	-			3		
KF2250 Mechanical Properties of Materials	7,5	C	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
MH1011 Fabrication Processes *Replaces 4H1953*	7,5	C	32	8	-	8		2			
MH1012 Transport Phenomena *Replaces 4H1954*	7,5	C	24	24	-	8	1				
MH1013 Micro and Nanostructures *Replaces 4H1114*	7,5	C	-	4	30	18	1				

Polymeric and Fibre Materials BD4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF2210 Polymer Chemistry	7,5	D	24	18	-	30	1				
KF2270 Structure and Properties of Organic Materials	9	C	24	-	-	-	1				
KF2280 Structure and Function of Biofibres*	7,5	D	28	-	-	14		2			
Conditionally Elective Courses											

3D1163 Pulp Technology *Under bearbetning*	4	D	20	-	-	24	1				
KF2020 The Chemistry of Pulping and Bleaching	7,5	D	26	-	-	-		2			24 h Seminars24 h Seminars
KF2030 Fiber Technology	6	D	26	-	-	15				4	
KF2040 Paper Physics	6	D	20	-	-	20		2			
KF2050 Paper Processes Technology	6	D	20	-	-	20			3		
KF2060 Pulp and Paper Processes	9	D	40	-	-	48	1	2			
KF2070 Pulp and Paper Processes, Minor Course	6	D	20	-	-	-	1	2			
KF2080 Paper Technology, project	6	D	-	-	-	-			3	4	Project work
KF2090 Paper Chemistry	6	D	26	15	-	-			3		
Elective Courses											
KF2050 Paper Processes Technology	6	D	20	-	-	20			3		
KF2060 Pulp and Paper Processes	9	D	40	-	-	48	1	2			
MH2029 Extractive Metallurgy	6	D	40	40	-	12		2			study trip 8h

*The course has limited participation

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Materials Design and Engineering

Solid Mechanics BD3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF2250 Mechanical Properties of Materials	7,5	C	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
MH1011 Fabrication Processes *Replaces 4H1953*	7,5	C	32	8	-	8		2			
MH1012 Transport Phenomena *Replaces 4H1954*	7,5	C	24	24	-	8	1				
MH1013 Micro and Nanostructures *Replaces 4H1114*	7,5	C	-	4	30	18	1				
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		
Conditionally Elective Courses											
SA109X No translation *Under bearbetning*	15	C	-	-	-	-			3	4	

Solid Mechanics BD4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SE2122 Applied Solid Mechanics *Replaces 4C1122.*	9	D	28	16	-	24	1	2			
SE2126 Material Mechanics *Replaces 4C1126.*	9	D	60	-	-	15	1	2			
Conditionally Elective Courses											

SE2116 Dynamic Problems in Solid Mechanics *Replaces 4C1116.*	6	D	42	-	-	8		2	3		
SE2121 Introduction to Biomechanics *Replaces 4C1121.*	9	C	48	-	-	8				4	
SE2123 Testing Techniques in Solid Mechanics *Replaces 4C1123.*	6	D	24	-	-	24				4	
SE2125 Solid Mechanics Modelling for Design *Replaces 4C1125.*	9	D	60	-	-	12				4	
SE2127 Packaging Materials *Replaces 4C1127.*	7,5	D	36	-	-	12			3		
SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work
Elective Courses											
SG2122 Continuum Mechanics *Replaces 5C1122* *Under bearbetning*	6	C	42	-	-	-	1				
SG2123 Mathematical Methods of Mechanics, General Course *Replaces 5C1123.*	6	D	36	-	-	-		2			
SG2125 Mathematical Methods of Mechanics, Intermediate Course *Ersätter 5C1125.* *Under bearbetning*	3	D	-	-	-	-			3		

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Next academic year (08/09)

Materials Design and Engineering

Sustainabale Energy Technology BD3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KF2250 Mechanical Properties of Materials	7,5	C	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
MH1011 Fabrication Processes *Replaces 4H1953*	7,5	C	32	8	-	8		2			
MH1012 Transport Phenomena *Replaces 4H1954*	7,5	C	24	24	-	8	1				
MH1013 Micro and Nanostructures *Replaces 4H1114*	7,5	C	-	4	30	18	1				
MJ1401 Heat Transfer *Replaces 4A1601*	6	C	24	24	-	20		2			
SG1217 Fluid Mechanics, Basic Course *Replaces 5C1217.*	6	B	24	10	-	6			3		7 h Seminars7 h Seminars
Conditionally Elective Courses											
MJ143X Degree Project in Materials Design and Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	

Sustainabale Energy Technology BD4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MJ2405 Sustainable Power Generation *Replaces 4A1605*	9	D	50	30	-	12	1	2			
MJ2407 Sustainable Energy Utilisation *Replaces 4A1607*	9	D	-	-	72	16	1	2			

MJ2409 Applied Energy Technology - Project Course *Replaces 4A1609*	9	D	12	-	-	-			3	4	Project 78h
MJ2411 Renewable Energy Technology *Replaces 4A1611*	6	D	-	-	52	-	1				Study visit 8h
Conditionally Elective Courses											
MJ2412 Renewable Energy Technology, Advanced Course *Replaces 4A1612 Conditionally elective for Power Generation. MJ2412 or MJ2427 has to be studied*	6	D	26	-	-	-			3		Study visit 4 h
MJ2422 Thermal Comfort and Indoor Climate *Replaces 4A1622 Mandatory for Energy Utilisation*	6	D	54	-	-	-			3	4	Study visits 6h
MJ2423 Applied Refrigeration and Heat Pump Technology *Replaces 4A1623 Mandatory for Energy Utilisation.*	6	D	24	24	-	16			3	4	
MJ2426 Applied Heat and Power Technology *Replaces 4A1626 Mandatory for Power Generation.*	6	D	36	12	-	8			3	4	Project assignment 8h
MJ2427 Applied Reactor Technology and Nuclear Power Safety *Replaces 4A1627 One of the courses MJ2412 och MJ2427 has to be studied.*	6	D	48	-	-	-			3	4	Study visits 12h
Recommended Courses											
MJ2410 Energy Management *Replaces 4A1610*	6	D	50	-	-	-		2	3		
MJ2413 Energy and Environment *Replaces 4A1613 Examinator: Björn Palm, Tel 790 7453*	6	D	50	-	-	-			3	4	Study visit 6h

MJ2420 Combustion Theory *Replaces* *4A1620*	6	C	18	18	-	15	1	2			
MJ2421 Modelling of Thermodynamic Systems *Replaces* *4A1621*	6	D	16	-	-	32	1	2	3	4	The course is given upon agreement
MJ2424 Numerical Methods in Energy Technology *Replaces* *4A1624*	6	D	24	12	-	12	1	2			
MJ2425 Cooling of Electronics *The course will not be given in 07/08.* *Replaces* *4A1625*	6	D	-	-	48	-			3		
MJ2428 Advanced Nuclear Reactor Engineering *Replaces* *4A1628*	6	D	42	-	-	-				4	Study visits 18h
MJ2429 Fluid Machinery *Replaces* *4A1629*	6	C	30	18	-	12	1				
MJ2430 Thermal Fluid Machinery *REplaces* *4A1630*	6	D	36	12	-	12			3	4	

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Mechanical Engineering

Mechanical Engineering M2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
MF1016 Basic Electrical Engineering *Replaces 4F1816*	9	B	24	28	-	22			3	4	
MG1003 *Replaces 4G1162*	12	B	30	90	-	12			3	4	
MH1004 Materials Science for Mechanical Engineering *Replaces 4H1063*	6	B	36	-	-	15		2			
MJ1112 Applied Thermodynamics *Replaces 4A1112*	9	A	44	48	-	-			3	4	Math exercises
SE1010 Solid Mechanics, Basic Course *Replaces 4C1010.*	12	B	54	30	-	2	1	2			60 h Projektuppgift60 h Projektuppgift
SF1633 Differential Equations I *Replaces 5B1206.*	6	C	40	20	-	-	1	2			
SG1140 Mechanics II *Replaces 5C1140.*	6	B	30	15	-	-	1				

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Previous academic year (06/07)

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Mechanical Engineering

Mechanical Engineering M3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
Conditionally Elective Courses											
EL1000 Automatic Control, General Course *Replaces 2E1200 One of the conditionally elective courses has to be studied.*	6	C	24	26	-	12	1				
MF101X Degree project in Mechanical Engineering (Bachelor of Science) *Replaces 4F1824*	15	C	-	-	-	-			3	4	
MF106X Degree project in Mechanical Engineering (Bachelor of Science) *Replaces 4F1822*	15	C	-	-	-	-			3	4	Seminars 20 h
MF111X Degree project in Mechanical Engineering (Bachelor of Science) *Replaces 4F1821*	15	C	-	-	-	-			3	4	
MG101X Degree project in Mechanical Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	
MJ140x Degree project in Mechanical Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	20 h Seminars20 h Seminars

SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111. One of the conditionally elective courses has to be studied.*	6	C	31	32	-	4	1				
SF1907 Mathematical Statistics, Basic Course *Replaces 5B1507. One of the conditionally elective courses has to be studied.*	6	C	24	34	-	2	1				
SG1220 Fluid Mechanics for Engineers *Replaces 5C1220. One of the conditionally elective courses has to be studied.*	6	B	24	10	-	6	1				7 h Seminars7 h Seminars
Elective Courses											
DD1322 Applied Programming and Computer Science, Part 1 *Replaces 2D1322.*	6	B	26	14	-	14		2			
DD1324 Applied Programming and Computer Science, Part 2 *Replaces 2D1324.*	3	B	12	6	-	18			3		
DS1334 Technical French, Intermediate Level*	9	B	-	-	56	-			3	4	
KE2170 The Fuel Cell *Under bearbetning*	6	D	-	-	-	-				4	The course has limited participation
LI1011 Information Searching for B, I, M, T, BD, Indek	1,5	B	-	-	-	-			3		Three laborations on all together 9 hours. The course is given regularly throughout the year, see
LI1011 Information Searching for B, I, M, T, BD, Indek	1,5	B	-	-	-	-		2			Three laborations on all together 9 hours. The course is given regularly throughout the year, see
LI1011 Information Searching for B, I, M, T, BD, Indek	1,5	B	-	-	-	-				4	Three laborations on all together 9 hours. The course is given regularly throughout the year, see

ME1004 Industrial Economy and Management, Basic Course *Replaces 4D1024. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-			3		2 h Seminars2 h Seminars
ME2042 Business Negotiations* *Replaces 4D1041. Examinor: Thorolf Hedborg. Under bearbetning*	6	C	22	4	-	-	1	2			Role-play 8h Seminars 4h
MF1019 Visualisation and Communication 1	6	C	15	-	-	14			3		Workshop 8 h
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827*	9	C	-	-	72	-	1	2			
MG1001 Manufacturing *Replaces 4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
MG1010 Introductory Welding Technology *Replaces 4G1230*	6	C	24	18	-	12	1				
MG1011 Intermediate Welding Technology *Replaces 4G1231*	6	D	24	24	-	12	1	2			
MG1012 None Destructive Testing	3	C	16	-	-	22		2			
MG1023 Control Systems *Replaces 4K1101*	6	C	18	28	-	12			3		
MG2013 Advanced Welding Technology, Modulus 1 *Replaces 4G1243*	6	D	20	20	-	20			3		
MG2020 Modularisation of Products *Replaces 4K1132*	6	C	24	20	-	-			3		
MG2022 Advanced CAD Modelling & Rapid Prototyping, Project Course *Replaces 4K1213*	6	D	16	24	-	-		2	3		Project work
MG2023 Effective Production* *Replaces 4G1134*	9	D	30	10	-	-			3	4	
MG2024 Manufacturing Systems and Automation *Replaces 4K1105*	6	C	14	24	-	12		2			
MG2030 Production Engineering - simulation of factory, flow and processes	6	C	25	26	25	12		2			

MG2033 Quality Control	6	D	32	4	-	-			3		
MG2037 Industrial adhesive bonding*	6	B	30	30	-	-		2			
MJ1403 Energy Technology *Lectures are given jointly with 4A1604 Project Course in Sustainable Energy Systems Replaces 4A1603*	6	C	48	12	-	-			3		
MJ1500 Technology and Ecosystems *Replaces 3C1330*	6	A	22	3	-	-	1				
MJ1500 Technology and Ecosystems *Replaces 3C1330*	6	A	22	3	-	-		2			
MJ273X Master's Project in Industrial Ecology	30	D	-	-	-	-			3	4	40 h Projektuppgift40 h Projektuppgift
SK2360 Laser Metrology and Optical Metrology *Replaces 5A1228.*	6	B	24	-	6	-			3	4	
SK2370 Physics of Visual Impressions *Replaces 5A1229.*	6	B	24	-	6	-				4	

*The course has limited participation

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Previous academic year (06/07)

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Mechanical Engineering

Mechanical Engineering M4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
MH2201 Advanced Materials Design	6	D	-	15	-	15			3	4	
Elective Courses											
DD1334 Database Technology *Replaces 2D1334.*	6	C	24	20	-	12			3		
DD2354 Algorithms and Complexity *Replaces 2D1354.*	6	C	30	18	-	-	1	2			
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3		

DN2225 Numerical Solutions of Differential Equations *Replaces 2D1225.*	6	C	24	4	-	12	1	2			
DS1301 Technical English, Intermediate Level*	9	B	-	-	56	-	1	2			
DS1301 Technical English, Intermediate Level*	9	B	-	-	56	-			3	4	
DS1320 German, Elementary Level*	6	B	-	-	56	-	1	2			
DS1320 German, Elementary Level*	6	B	-	-	56	-			3	4	
DS132N Technical German, Intermediate Level	9	B	-	-	18	-	1	2			E-learning exercises appr. 75 % of the course. 18 classroom hours in the evening.
DS132N Technical German, Intermediate Level	9	B	-	-	18	-			3	4	E-learning exercises make up appr. 75 % of the course. 18 classroom hours in the evening.
DS1330 French, Elementary Level*	6	B	-	-	56	-	1	2			
DS1330 French, Elementary Level*	6	B	-	-	56	-			3	4	
DS1334 Technical French, Intermediate Level*	9	B	-	-	56	-	1	2			
DS1334 Technical French, Intermediate Level*	9	B	-	-	56	-			3	4	
DS1342 Spanish, Elementary Level*	6	B	-	-	56	-	1	2			
DS1342 Spanish, Elementary Level*	6	B	-	-	56	-			3	4	
DS1350 Italian, Elementary Level*	6	B	-	-	56	-	1	2			
DS1350 Italian, Elementary Level*	6	B	-	-	56	-			3	4	
DS1360 Communicative Swedish*	6	B	-	-	56	-	1	2			
DS2304 Technical English, Advanced Level*	9	C	-	-	56	-	1	2			
DS2304 Technical English, Advanced Level*	9	C	-	-	56	-			3	4	
DS2326 Technical German, Advanced Level*	9	C	-	-	56	-			3	4	
DT2400 Electroacoustics *Replaces 2F1400.*	7,5	C	34	12	-	8	1				

ED2200 Energy and Fusion Research *Replaces* *2A1151*	6	A	26	12	-	-				4	
EF2240 Space Physics I *Replaces* *2A1160*	6	A	18	-	-	-	1				
EJ2410 Hybrid Vehicle Drives* *Replaces* *2C1243*	7,5	A	-	-	-	-		2			3 course meetings. (LTH, CTH and KTH) Project work/ assignments in between the meetings.
EL2420 Automatic Control, Project Course* *Replaces* *2E1242*	12	A	10	-	-	50				4	
EL2520 Control Theory and Practice, Advanced Course *Replaces* *2E1252*	7,5	D	28	26	-	10			3		
EL2620 Nonlinear Control *Replaces* *2E1262*	7,5	A	28	28	-	8		2			
HL1000 Quality and Regulatory Aspects on Medical Devices	3	D	20	-	-	-			3	4	
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars
HL2002 Medical Instrumentation and Signal Processing*	6	D	30	-	-	6			3	4	
HL2003 Radiation Physics and Biology	6	D	36	-	-	-				4	
HL2004 Engineering in Intensive Care and Anesthesia*	6	D	12	-	-	-			3	4	30 + 10h (field work with oral and written report)
HL2005 Implants and Biomaterials*	6	D	25	-	-	-			3	4	
HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1				

KD2260 Corrosion and Surface Protection, General Course	6	C	16	12	-	-	1				12 h Seminars12 h Seminars
KE2170 The Fuel Cell *Under bearbetning*	6	D	-	-	-	-				4	The course has limited participation
LI1011 Information Searching for B, I, M, T, BD, Indek	1,5	B	-	-	-	-		2			Three laborations on all together 9 hours. The course is given regularly throughout the year, see
LI1011 Information Searching for B, I, M, T, BD, Indek	1,5	B	-	-	-	-			3		Three laborations on all together 9 hours. The course is given regularly throughout the year, see
LI1011 Information Searching for B, I, M, T, BD, Indek	1,5	B	-	-	-	-				4	Three laborations on all together 9 hours. The course is given regularly throughout the year, see
ME1008 Work Organization and Leadership *Replaces 4D1075* *Examiner Matti Kaulio* *Under bearbetning*	6	B	24	24	-	-			3		
ME1011 Commercial Law *Replaces 4D1051.* *Examiner: Bengt Domeij.* *Under bearbetning*	6	B	14	18	-	-			3		

ME2021 Advanced Patent Law *Replaces 4D1057. Examiner Bengt Domeij.* *Under bearbetning*	6	C	4	14	-	-	1				14 h SeminarsSeminars 14h 14 h Seminars
ME2023 Industrial Marketing *Replaces 4D1062. Examiner: Henrik Uggla.* *Under bearbetning*	6	B	36	12	-	-	1				
ME2040 Human Factors Engineering *Replaces 4D1084. Examinor: Lena Mårtensson.* *Under bearbetning*	6	B	24	6	3	3			3		
ME2041 Psychology for Engineers *Replaces 4D1093. Examiner: Lena Mårtensson.* *Under bearbetning*	6	B	24	3	-	4		2			
ME2042 Business Negotiations* *Replaces 4D1041. Examinor: Thorolf Hedborg.* *Under bearbetning*	6	C	22	4	-	-	1	2			Role-play 8h Seminars 4h
MF1019 Visualisation and Communication 1	6	C	15	-	-	14			3		Workshop 8 h

MF1025 Model Based Product Development II *Replaces 4F1825*	6	C	24	24	-	12	1				
MF1026 Model Based Product Development I	9	C	24	24	-	12	1	2			Project
MF2012 Innovation Engineering *Replaces 4F1912*	30	D	-	-	-	-	1	2	3	4	40 h Seminars, 40 h Workshop, 40 h Study visit40 h Seminars, 40 h Workshop, 40 h Study visit
MF2013 Introduction to Fluid Power *Replaces 4F1340*	6	C	24	24	-	9		2			
MF2014 Fluid Systems and Machines *Replaces 4F1343*	6	C	24	24	-	12	1	2			
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
MF2017 Combustion Engines, Project Course *Replaces 4F1460 Open only for students with individual specialization of Combustion engines.*	9	D	-	-	18	-			3	4	
MF2018 Tribology *Replaces 4F2018*	6	C	-	-	30	5		2			
MF2019 CAD 3D-modelling and Visualization* *Replaces 4F1541*	6	C	6	36	-	-		2			

MF2019 CAD 3D-modelling and Visualization *Replaces 4F1541*	6	C	6	36	-	-				4	
MF2021 Environmentally Adapted Product Design *Replaces 4F1641 80% participation.*	6	C	-	-	42	-			3		
MF2022 Eco Design Project* *Replaces 4F1643*	6	C	-	-	-	-	1	2	3	4	
MF2025 Project Work in Mechatronics* *Replaces 4F1141 Limited attendance due to limited number of availible projects*	6	C	-	-	-	-	1	2	3	4	No scheduled hours
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
MG1010 Introductory Welding Technology *Replaces 4G1230*	6	C	24	18	-	12	1				
MG1011 Intermediate Welding Technology *Replaces 4G1231*	6	D	24	24	-	12	1	2			
MG2013 Advanced Welding Technology, Modulus 1 *Replaces 4G1243*	6	D	20	20	-	20			3		
MG2020 Modularisation of Products *Replaces 4K1132*	6	C	24	20	-	-			3		
MG2022 Advanced CAD Modelling & Rapid Prototyping, Project Course *Replaces 4K1213*	6	D	16	24	-	-		2	3		Project work

MG2023 Effective Production* *Replaces* *4G1134*	9	D	30	10	-	-			3	4	
MG2026 Integrating Industrial IT-systems	6	D	12	18	-	18				4	
MG2028 CAD and other IT Tools in Industrial Processes	6	D	12	12	-	24		2			
MG2031 Manufacturing, Advanced Course	6	D	-	-	34	12				4	Study visit 8h
MG2034 Information modelling and IT-strategies	6	C	24	24	-	-		2			
MG2035 Product Data Management/Product Lifecycle Management	6	D	20	20	-	-			3		
MG2036 Computer Aided Manufacturing	6	D	12	12	-	24			3		
MG2037 Industrial adhesive bonding*	6	B	30	30	-	-		2			
MH2029 Extractive Metallurgy	6	D	40	40	-	12		2			study trip 8h
MH2100 Powder Metallurgy *Replaces* *4H1113*	6	D	18	18	-	12		2			
MH2253 Foundry Processing *Replaces* *4M1341*	6	D	12	-	-	-			3		Seminarier 24h Other 28h
MH2254 Space Systems and Technology *Replaces* *4M1342*	6	D	36	-	-	-		2			
MH2275 Project Assignment *Replaces* *4M1051*	6	D	-	160	-	-	1				
MH2279 Materials Processing, Project Support *Replaces* *4M1343*	6	D	72	48	-	40	1	2			
MH2280 Simulation and Modelling *Replaces* *4M1346*	6	D	10	80	-	-	1	2			
MH2283 Solidification Processing *Replaces* *4M1370*	6	D	36	24	-	-	1	2			

MH2300 Functional Materials *Replaces* *4H1609*	6	D	18	-	-	6			3		Study visit 8h
MH2301 Advanced Materials *Replaces* *4H1610*	6	C	18	-	-	6			3		Study visit 8h Seminars 18h
MH2350 Artificial Materials *Replaces* *4H1802*	6	D	20	4	-	6	1				
MH2351 Physics of Nanostructured Materials *Replaces* *4H1803*	6	D	20	4	-	6				4	
MJ1500 Technology and Ecosystems *Replaces* *3C1330*	6	A	22	3	-	-	1				
MJ1500 Technology and Ecosystems *Replaces* *3C1330*	6	A	22	3	-	-		2			
MJ1500 Technology and Ecosystems *Replaces* *3C1330*	6	A	22	3	-	-			3		
MJ1501 States and Trends *Replaces* *3C1333*	7,5	B	30	-	-	-	1	2			Seminars 3h
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-	1				Seminars 5 h Project work Study visit
MJ185V Risk Management *Replaces* *3C4365*	7,5	B	10	-	-	-	1	2			Seminars 5 h
MJ2140 Energy Systems and Models I *This course* *is not given* *the academic* *year 05/06.*	6	D	14	32	-	-	1				9 h SeminarsSeminars 9 H 9 h Seminars
MJ2241 Introductory Airbreathing Propulsion *Replaces* *4A1341*	6	C	21	24	-	8		2			

MJ2244 Airbreathing Propulsion, Intermediate Course I *Replaces 4A1344*	6	D	40	-	-	-			3	4	Project work 6h
MJ2246 Rocket Propulsion *Replaces 4A1346*	6	D	20	10	-	-				4	Project course 20 h Self study 20 h
MJ2247 Airbreathing Propulsion for High Speed Flight *Replaces 4A1347*	6	D	27	10	-	6				4	
MJ2405 Sustainable Power Generation *Replaces 4A1605*	9	D	50	30	-	12	1	2			
MJ2407 Sustainable Energy Utilisation *Replaces 4A1607*	9	D	-	-	72	16	1	2			
MJ2409 Applied Energy Technology - Project Course *Replaces 4A1609*	9	D	12	-	-	-			3	4	Project 78h
MJ2411 Renewable Energy Technology *Replaces 4A1611*	6	D	-	-	52	-	1				Study visit 8h
MJ2412 Renewable Energy Technology, Advanced Course *Replaces 4A1612* *Conditionally elective for Power Generation. MJ2412 or MJ2427 has to be studied*	6	D	26	-	-	-			3		Study visit 4 h

MJ2413 Energy and Environment *Replaces 4A1613 Examinator: Björn Palm, Tel 790 7453*	6	D	50	-	-	-			3	4	Study visit 6h
MJ2420 Combustion Theory *Replaces 4A1620*	6	C	18	18	-	15	1	2			
MJ2421 Modelling of Thermodynamic Systems *Replaces 4A1621*	6	D	16	-	-	32	1	2	3	4	The course is given upon agreement
MJ2422 Thermal Comfort and Indoor Climate *Replaces 4A1622 Mandatory for Energy Utilisation*	6	D	54	-	-	-			3	4	Study visits 6h
MJ2423 Applied Refrigeration and Heat Pump Technology *Replaces 4A1623 Mandatory for Energy Utilisation.*	6	D	24	24	-	16			3	4	
MJ2425 Cooling of Electronics *The course will not be given in 07/08. Replaces 4A1625*	6	D	-	-	48	-			3		
MJ2426 Applied Heat and Power Technology *Replaces 4A1626 Mandatory for Power Generation.*	6	D	36	12	-	8			3	4	Project assignment 8h

MJ2427 Applied Reactor Technology and Nuclear Power Safety *Replaces 4A1627 One of the courses MJ2412 och MJ2427 has to be studied.*	6	D	48	-	-	-			3	4	Study visits 12h
MJ2429 Fluid Machinery *Replaces 4A1629*	6	C	30	18	-	12	1				
MJ2430 Thermal Fluid Machinery *REplaces 4A1630*	6	D	36	12	-	12			3	4	
MJ2451 Management and Leadership in Systems Engineering - Project Course *Replaces 4A1651*	3	A	10	-	-	-				4	
MJ2611 Introduction Industrial Ecology *Replaces 3C1336*	6	C	12	-	-	-	1				Seminars 8 h Project Study visit 4 h
MJ2621 Environmental Technology, Advanced Course *Replaces 3C1341*	7,5	D	34	9	-	-	1				Project Seminars
MJ2630 Waste Management, Advanced Course *Replaces 3C1350*	6	D	18	-	-	-				4	Project work, Assignments, Study visit 4 halfdays
MJ2653 Environmental Consequences, Advanced Course II *Replaces 3C1365*	6	D	15	15	-	40	1	2			Field exercises
MJ2654 Biology *Replaces 3C1385*	6	C	21	3	-	3	1				Field exercise 8h

MJ2663 Environmental Management *Replaces* *3C1380*	6	C	10	-	-	-	1				Seminars 12 h
MJ2680 Environmental Systems Analysis *Replaces* *3C1387*	6	C	16	8	-	6		2			
SD1120 Noise and Vibration Control *Replaces* *4B1117.*	9	C	38	44	-	8			3	4	
SD2130 Signal Analysis *Replaces* *4B1164.*	8	D	-	-	26	8	1	2			Computer exercises 14 h. Written tests 4 h.
SD2140 Vibro Acoustics *Replaces* *4B1127.*	8	D	-	56	-	-	1	2			
SD2145 Vibro-Acoustics *Replaces* *4B1162.*	11	D	-	-	64	-	1	2			
SD2155 Flow Acoustics *Replaces* *4B1136.*	6	D	-	48	-	8			3		
SD2160 Sound and Vibration, Project Course *Replaces* *4B1141.*	8	D	-	-	40	14			3	4	Study tour to industry 40h
SD2165 Acoustical Measurements *Replaces* *4B1166.*	8	D	-	-	16	20	1	2			
SD2170 Energy Methods *Replaces* *4B1168.*	6	D	-	-	28	-				4	
SD2175 Numerical Methods for Acoustics and Vibration *Replaces* *4B1170.*	9	D	-	-	36	-			3		

SD2180 Non-linear Acoustics *Replaces 4B1172, Not given 07/08.*	6	D	-	-	28	-					
SD2185 Ultrasonics *Replaces 4B1174. Not given 07/08.*	6	D	-	-	24	-					
SD2190 Vehicle Acoustics and Vibration *Replaces 4B1176. Not given 07/08.*	6	D	-	-	24	-					
SD2224 Vehicle Systems for a Better Environment* *Replaces 4B1424. There are 50 places to be shared among universities engaged in this set of courses.*	8	C	26	20	-	8	1				
SD2228 Environmental Friendly Vehicle - Project Course* *Replaces 4B1428. Not given Spring 2008.*	8	D	10	20	-	-					Assignment work 40h Presentations 10h
SD2306 Railway Systems and Rail Vehicles *Replaces 4B1304.*	9	C	-	-	60	-	1	2			Project assignment 9h
SD2313 Rail Vehicle Dynamics *Replaces 4B1313.*	8	D	-	-	36	-			3		24 h Projektuppgift24 h Projektuppgift

SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2414 Fiber Composites - Materials and Manufacturing *Replaces 4E1114.*	6	C	40	-	-	8			3	4	
SD2701 Introduction to Naval Architecture *Replaces 4E1401.*	8	C	-	-	-	-			3		
SE2116 Dynamic Problems in Solid Mechanics *Replaces 4C1116.*	6	D	42	-	-	8		2	3		
SE2121 Introduction to Biomechanics *Replaces 4C1121.*	9	C	48	-	-	8				4	
SE2122 Applied Solid Mechanics *Replaces 4C1122.*	9	D	28	16	-	24	1	2			
SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work
SF2822 Applied Nonlinear Optimization *Replaces 5B1817.*	7,5	D	24	14	-	-		2			Project assignments
SF2872 Mathematical Economics *Replaces 5B1852.* *Under bearbetning*	6	C	32	16	-	-		2			
SF2955 Computer Intensive Methods in Mathematical Statistics *Replaces 5B1555.* *Given every second year*	7,5	D	-	-	48	-				4	

SF2974 Portfolio Theory and Risk Management *Replaces 5B1574.*	6	D	30	12	-	-	1				
SG2122 Continuum Mechanics *Replaces 5C1122* *Under bearbetning*	6	C	42	-	-	-	1				
SG2123 Mathematical Methods of Mechanics, General Course *Replaces 5C1123.*	6	D	36	-	-	-		2			
SG2125 Mathematical Methods of Mechanics, Intermediate Course *Ersätter 5C1125.* *Under bearbetning*	3	D	-	-	-	-			3		
SG2126 Nonlinear Dynamics in Mechanics *Replaces 5C1400.* *Under bearbetning*	7,5	C	24	-	-	-			3		
SG2211 Vehicle Aerodynamics *Replaces 5C1211.*	6	C	28	-	-	4				4	8 h Seminars8 h Seminars
SG2214 Fluid Mechanics *Under bearbetning*	7,5	C	-	30	30	3	1				
SG2860 FEM Modelling *Replaces 5C1860.*	8	D	33	-	-	-		2			33 h Workshop33 h Workshop
SH2310 Radiation Detectors and Medical Imaging Systems *Replaces 5A1414.*	7,5	D	24	-	-	15			3	4	6 h Seminars, 20 h Study visit6 h Seminars, 20 h Study visit

SH2311 Radiation Sources for Therapy *Replaces 5A1416.*	3	D	10	-	-	-				4	14 h Study visit14 h Study visit
SK2380 Technical Photography *Replaces 5A1590.*	8	A	28	-	-	30			3	4	

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Mechanical Engineering

Automotive Engineering M3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EL1120 Automatic Control, General Course *Replaces 2E1212*	6	C	24	26	-	12		2			
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			

SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1					
SG1217 Fluid Mechanics, Basic Course *Replaces 5C1217.*	6	B	24	10	-	6			3			7 h Seminars7 h Seminars
Conditionally Elective Courses												
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4		

Automotive Engineering M4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
SG2211 Vehicle Aerodynamics *Replaces 5C1211.*	6	C	28	-	-	4				4	8 h Seminars8 h Seminars
Conditionally Elective Courses											
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
SD2222 Vehicle Components *Replaces 4B1422.*	8	D	30	30	-	-		2			
SD2225 Ground Vehicle Dynamics, Basic Course* *Replaces 4B1425.*	11	D	30	48	-	4			3	4	
SD2306 Railway Systems and Rail Vehicles *Replaces 4B1304.*	9	C	-	-	60	-	1	2			Project assignment 9h

SD2313 Rail Vehicle Dynamics *Replaces 4B1313.*	8	D	-	-	36	-			3		24 h Projektuppgift24 h Projektuppgift
Recommended Courses											
EJ2400 Electric Traction *Replaces 2C1119* *Under bearbetning*	6	A	36	-	-	-				4	
EJ2410 Hybrid Vehicle Drives* *Replaces 2C1243*	7,5	A	-	-	-	-		2			3 course meetings. (LTH, CTH and KTH) Project work/ assignments in between the meetings.
EL2520 Control Theory and Practice, Advanced Course *Replaces 2E1252*	7,5	D	28	26	-	10			3		
ME2040 Human Factors Engineering *Replaces 4D1084. Examinor: Lena Mårtensson.* *Under bearbetning*	6	B	24	6	3	3			3		
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827*	9	C	-	-	72	-	1	2			
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
SD2150 Experimental Structure Dynamics, Project Course *Replaces 4B1132.*	9	D	-	36	24	8		2	3		

SD2190 Vehicle Acoustics and Vibration *Replaces 4B1176. Not given 07/08.*	6	D	-	-	24	-					
SD2228 Environmental Friendly Vehicle - Project Course* *Replaces 4B1428. Not given Spring 2008.*	8	D	10	20	-	-					Assignment work 40h Presentations 10h
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	
Elective Courses											
MF2017 Combustion Engines, Project Course *Replaces 4F1460 Open only for students with individual specialization of Combustion engines.*	9	D	-	-	18	-			3	4	

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Mechanical Engineering

Biobased Materials and Products M3

One of the courses KF1020, SD1410, SE1003 must be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
SD2500 Wood and Cellulose Materials *Replaces 4E1601.*	7	C	56	-	-	18			3	4	
Conditionally Elective Courses											
KF1020 Project Course in Polymer and Cellulose Based Materials	15	C	-	-	-	-			3	4	
KF102X Degree Project in Polymeric Materials, First Level *Under bearbetning*	15	C	-	-	-	-			3	4	

Biobased Materials and Products M4

One of the courses KF1020, SD1410, SE1003 must be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2505 Biomaterials and Products *Replaces 4E1112.*	7	C	56	-	-	18	1	2			

SD2510 Experimental Methods for Biobased Materials *Replaces 4E1604.*	7	D	12	-	-	72		2			
SD2515 Project -Biobased Materials and Products *Replaces 4E1603.*	15	D	-	-	336	-	1	2	3	4	
SE2127 Packaging Materials *Replaces 4C1127.*	7,5	D	36	-	-	12			3		
Elective Courses											
KF2280 Structure and Function of Biofibres*	7,5	D	28	-	-	14		2			

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Mechanical Engineering

Biomedical Engineering M3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			

*The course has limited participation

Biomedical Engineering M4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1009 Neuroscience*	7,5	C	50	-	-	20				4	
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars
HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1				
Elective Courses											
DD2435 Mathematical Modelling of Biological Systems *Replaces 2D1435.*	9	D	26	-	-	20	1	2			
KF2210 Polymer Chemistry	7,5	D	24	18	-	30	1				
KF2220 Biopolymers	7,5	D	24	10	-	25			3		5h Study visit

KF2270 Structure and Properties of Organic Materials	9	C	24	-	-	-	1				
KF2280 Structure and Function of Biofibres*	7,5	D	28	-	-	14		2			

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Mechanical Engineering

Combustion Engineering M3

At least 12 cr have to be chosen among de conditionally elective courses, and at least 8 cr have to be from the same group.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
SG1220 Fluid Mechanics for Engineers *Replaces 5C1220.*	6	B	24	10	-	6	1				7 h Seminars7 h Seminars

Combustion Engineering M4

At least 12 cr have to be chosen among de conditionally elective courses, and at least 8 cr have to be from the same group.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
MF2017 Combustion Engines, Project Course *Replaces 4F1460 Open only for students with individual specialization of Combustion engines.*	9	D	-	-	18	-			3	4	
SD2222 Vehicle Components *Replaces 4B1422.*	8	D	30	30	-	-		2			
Conditionally Elective Courses											
MF1025 Model Based Product Development II *Replaces 4F1825 Group 1*	6	C	24	24	-	12	1				
MF1026 Model Based Product Development I *Group 1*	9	C	24	24	-	12	1	2			Project
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827 group 2*	9	C	-	-	72	-	1	2			

MF2007 Dynamics and Motion Control *Replaces 4F1907 Group 2*	9	D	26	24	-	-	1				Workshop 12 h
MF2010 Component Design *Group 1*	6	C	12	16	-	2	1				
MF2014 Fluid Systems and Machines *Replaces 4F1343 Group 1*	6	C	24	24	-	12	1	2			
MF2025 Project Work in Mechatronics* *Replaces 4F1141 Limited attendance due to limited number of availible projects Group 3*	6	C	-	-	-	-	1	2	3	4	No scheduled hours
MJ2653 Environmental Consequences, Advanced Course II *Replaces 3C1365 Group 3*	6	D	15	15	-	40	1	2			Field exercises
SD2150 Experimental Structure Dynamics, Project Course *Replaces 4B1132. Group 3*	9	D	-	36	24	8		2	3		

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Mechanical Engineering

Industrial Ecology M3

A degree project (Bachelor of Science) is mandatory. Students of the specialization ILE can choose freely from the degree projects of the M-programme.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-	1				Seminars 5 h Project work Study visit

Industrial Ecology M4

A degree project (Bachelor of Science) is mandatory. Students of the specialization ILE can choose freely from the degree projects of the M-programme.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MJ2611 Introduction Industrial Ecology *Replaces 3C1336*	6	C	12	-	-	-	1				Seminars 8 h Project Study visit 4 h
MJ2621 Environmental Technology, Advanced Course *Replaces 3C1341*	7,5	D	34	9	-	-	1				Project Seminars
MJ2663 Environmental Management *Replaces 3C1380*	6	C	10	-	-	-	1				Seminars 12 h

MJ2680 Environmental Systems Analysis *Replaces 3C1387*	6	C	16	8	-	6		2				
MJ2691 Technology and Sustainable Development *Replaces 3C1396*	6	C	8	9	-	-		2				
Recommended Courses												
MJ2630 Waste Management, Advanced Course *Replaces 3C1350*	6	D	18	-	-	-				4	Project work, Assignments, Study visit 4 halfdays	
MJ2651 Ecology, Advanced Course *Replaces 3C1356*	6	C	21	4	-	-			3	4	Field work 8h	
MJ2653 Environmental Consequences, Advanced Course II *Replaces 3C1365*	6	D	15	15	-	40	1	2			Field exercises	
MJ2664 Environmental Management II, Advanced Course *Replaces 3C1381*	6	D	8	6	-	-				4	Project	
MJ2670 Risk Management *Replaces 3C1383*	6	C	16	15	-	-	1				The course is given in Swedish in period 1 and in English in period 3.	

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Previous academic year (06/07) Next academic year (08/09)

Mechanical Engineering

Industrial Economics and Management M3

The specialization has 3 profiles. In the 4th year the student has to choose a profile. Within each profile 3 of the courses have to be taken.. Profil 1: ME2013, ME2014, ME2032 or ME2034. Profil 2: ME2013, ME2014, ME2015 or ME2017. Profil 3: , ME2015 eller ME2017, ME2027 or ME2038.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
ME1007 Strategic Management *Replaces 4D1061. Examiner: Claes Gustafsson. Under bearbetning*	6	B	24	-	-	-				4	6 h Seminars6 h Seminars
ME2044 Human Resource Management *Replaces 4D1096. Examiner: Matti Kaulio. Under bearbetning*	6	B	28	12	-	-			3		
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
Conditionally Elective Courses											
MG101X Degree project in Mechanical Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	

Industrial Economics and Management M4

The specialization has 3 profiles. In the 4th year the student has to choose a profile. Within each profile 3 of the courses have to be taken.. Profil 1: ME2013, ME2014, ME2032 or ME2034. Profil 2: ME2013, ME2014, ME2015 or ME2017. Profil 3: , ME2015 eller ME2017, ME2027 or ME2038.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME2000 Research Methodology *Replaces 4D1303. Examiner Monica Lindgren Under bearbetning*	3	D	20	-	-	-				4	
Conditionally Elective Courses											
ME2013 Operations Management: Organization and Control *Replaces 4D1038. Examinor: Johann Packendorff. Under bearbetning*	6	B	46	12	-	-		2			
ME2014 Operations Management: Strategy and Development *Ersätter 4D1039. Examiner: Johann Packendorff. Under bearbetning*	6	C	20	12	-	-			3		Account of project 8h Seminars 8h
ME2015 Project Management: Leadership and Control *Replaces 4D1047. Examiner Johann Packendorff Under bearbetning*	6	B	40	8	-	-	1				
ME2017 Project Management: Leading Project-Based Operations *Replaces 4D1049. Examiner Johann Packendorff. Under bearbetning*	6	C	36	12	-	-			3		
ME2018 Leading Temporary Organizations and Projects *Replaces 4D1404. Examiner: Johann Packendorff. Under bearbetning*	6	D	36	-	-	-				4	12 h Seminars12 h Seminars

ME2026 Brand Trends and Traditions *Replaces 4D1079. Examiner: Henrik Uggla. Under bearbetning*	6	D	35	-	-	-				4	
ME2032 Economics of Industrial and Technical Transformation *Replaces 4D1053. Examiner: Pär Blomkvist. Under bearbetning*	6	B	36	-	-	-	1				2 h Seminars2 h Seminars
ME2034 Management of New Technology and Industrial Creativity *Replaces 4D1059. Examinor: Staffan Laestadius. Under bearbetning*	6	C	36	8	-	-		2			8 h Seminars8 h Seminars
ME2035 Globalization of Industry and Technology, Advanced Course *Replaces 4D1069- Examiner: Pär Blomkvist. Under bearbetning*	6	D	24	8	-	-				4	8 h Seminars8 h Seminars
ME2037 Project Management* *Replaces 4D1402. Examiner: Örjan Wikforss Under bearbetning*	6	B	16	-	-	-	1				12 h Seminars, 8 h Study visit12 h Seminars, 8 h Study visit
ME2038 IT Management* *Replaces 4D1403. Examiner Örjan Wikforss Under bearbetning*	6	C	20	-	-	-		2			6 h Seminars, 6 h Study visit6 h Seminars, 6 h Study visit
ME2039 Knowledge Management *Replaces 4D1306. Examiner Örjan Wikforss Under bearbetning*	6	D	18	12	-	-				4	12 h Seminars12 h Seminars

ME2048 Industrial Sweden - from Local to Global Change *Replaces 4D1078. Examiner: Maria Hammarén. Under bearbetning*	6	D	24	-	-	-		2			
Elective Courses											
ME2029 Finance *Replaces 4D1166. Examiner: Tomas Sörensson. Under bearbetning*	6	B	30	12	-	-		2			4 h Seminars4 h Seminars

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Mechanical Engineering

Industrial Engineering M3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1001 Manufacturing *Replaces 4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
Conditionally Elective Courses											
MG101X Degree project in Mechanical Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	

Industrial Engineering M4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MG2027 Project course Industrial production	6	D	-	-	-	-				4	160 h Projektuppgift160 h Projektuppgift
MG2028 CAD and other IT Tools in Industrial Processes	6	D	12	12	-	24		2			
MG2029 Production Engineering - Planning and Control	6	D	25	26	-	12	1				

MG2030 Production Engineering - simulation of factory, flow and processes	6	C	25	26	25	12		2			
Conditionally Elective Courses											
MG2020 Modularisation of Products *Replaces 4K1132*	6	C	24	20	-	-			3		
MG2026 Integrating Industrial IT-systems	6	D	12	18	-	18				4	
MG2031 Manufacturing, Advanced Course	6	D	-	-	34	12				4	Study visit 8h
MG2032 Automation Technology, Advanced Course	6	D	-	18	16	9		2			Project 10 h
MG2033 Quality Control	6	D	32	4	-	-			3		
MG2034 Information modelling and IT-strategies	6	C	24	24	-	-		2			
MG2035 Product Data Management/ Product Lifecycle Management	6	D	20	20	-	-			3		

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Previous academic year (06/07) Next academic year (08/09)

Mechanical Engineering

Industrial production, eng M3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1001 Manufacturing *Replaces 4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			

Industrial production, eng M4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MG2200 European Business Culture *Replaces 4G1180*	7,5	C	30	60	-	-			3	4	
MG2201 Design and Process Modelling *Replaces 4G1181*	7,5	C	30	60	-	-	1	2			
MG2202 Quality Control *Replaces 4G1182*	9	D	30	60	-	-	1	2	3	4	

MG2203 Process Control and Management *Replaces 4G1183*	9	D	30	60	-	-			3	4	
MG2204 Manufacturing Technology and Planning *Replaces 4G1184*	9	D	30	60	-	-	1	2			
MG2205 Operations Management *Replaces 4G1185*	9	C	30	60	-	-	1	2	3	4	

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Previous academic year (06/07)

Next academic year (08/09)

Mechanical Engineering

Integrated Product Development M3

Among the recommended courses choose courses from one of the groups

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HM1025 Ergonomics in Product Development	6	B	18	9	-	6		2			
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars

ME1008 Work Organization and Leadership *Replaces 4D1075* *Examiner Matti Kaulio* *Under bearbetning*	6	B	24	24	-	-			3		
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
Conditionally Elective Courses											
MF111X Degree project in Mechanical Engineering (Bachelor of Science) *Replaces 4F1821*	15	C	-	-	-	-			3	4	

Integrated Product Development M4

Among the recommended courses choose courses from one of the groups

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
MF2001 Integrated Product Development, Advanced Course	30	D	-	180	-	-	1	2	3	4	
Conditionally Elective Courses											
MF2019 CAD 3D-modelling and Visualization* *Replaces 4F1541*	6	C	6	36	-	-		2			
MF2019 CAD 3D-modelling and Visualization *Replaces 4F1541*	6	C	6	36	-	-				4	
Recommended Courses											

ME2040 Human Factors Engineering *Replaces 4D1084. Examinor: Lena Mårtensson. Group 3* *Under bearbetning*	6	B	24	6	3	3			3		
ME2044 Human Resource Management *Replaces 4D1096. Examiner: Matti Kaulio. Group 3* *Under bearbetning*	6	B	28	12	-	-			3		
ME2045 Leading Organizational Change* *Replaces 4D1098 Group 3* *Under bearbetning*	6	C	-	8	-	-				4	36 h Seminars36 h Seminars
ME2046 Managing Risks in Complex Technical Systems *Replaces 4D1099. Not given 2007/08. Examiner: Lena Mårtensson. Group 3* *Under bearbetning*	6	C	12	-	-	-					18 h Seminars18 h Seminars
MF2006 Innovative Design II *Replaces 4F1906 Group 2*	6	D	24	48	-	-	1				

MF2021 Environmentally Adapted Product Design *Replaces 4F1641 80% participation. Group 2*	6	C	-	-	42	-			3		
MF2022 Eco Design Project* *Replaces 4F1643 Group 2*	6	C	-	-	-	-	1	2	3	4	
MG1001 Manufacturing *Replaces 4G1169 Group 1*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165 Group 1*	6	C	18	26	-	12			3		

*The course has limited participation

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Previous academic year (06/07) Next academic year (08/09)

Mechanical Engineering

Lightweight Structures M3

Among the conditionally elective courses either SD2505+SD2450 or SD2432 have to be studied. SD2414 is compulsory for the student who has not studied SD2410.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		
SF1861 Optimization for T *Replaces 5B1762.*	6	C	28	16	-	8				4	
Conditionally Elective Courses											
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	

Lightweight Structures M4

Among the conditionally elective courses either SD2505+SD2450 or SD2432 have to be studied. SD2414 is compulsory for the student who has not studied SD2410.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				

SD2413 Fibre Composites - Analysis and Design *Replaces 4E1113.*	6	D	52	-	-	6		2			
SD2414 Fiber Composites - Materials and Manufacturing *Replaces 4E1114.*	6	C	40	-	-	8			3	4	
SD2415 Process Modelling for Composite Manufacturing *Replaces 4E1115.* *Not given 07/08.*	6	D	18	-	-	18					
SD2416 Structural Optimisation and Sandwich Design *Replaces 4E1116.*	6	D	40	-	-	18			3		
Conditionally Elective Courses											
SD2432 Lightweight Design* *Replaces 4E1132.*	20	D	-	-	336	-	1	2	3	4	
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	
SD2505 Biomaterials and Products *Replaces 4E1112.*	7	C	56	-	-	18	1	2			

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Mechanical Engineering

Machine Design M3

In the 4th year you have 14 cr (21 hp) of optional courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	Periods 2	Periods 3	Periods 4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF2018 Tribology *Replaces 4F2018*	6	C	-	-	30	5		2			
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		

SE1128 Solid Mechanics for Machine Design *Replaces 4C1128.*	6	C	24	24	-	-				4	
Conditionally Elective Courses											
MF101X Degree project in Mechanical Engineering (Bachelor of Science) *Replaces 4F1824*	15	C	-	-	-	-			3	4	
Recommended Courses											
SE2119 Finite Element Method, Project Course *Replaces 4C1119. Given at request.*	3	D	-	-	-	-					

Machine Design M4

In the 4th year you have 14 cr (21 hp) of optional courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
MF2004 Advanced Machine Design	18	D	-	-	-	-		2	3	4	
MF2006 Innovative Design II *Replaces 4F1906*	6	D	24	48	-	-	1				
MF2010 Component Design	6	C	12	16	-	2	1				
MF2011 Systems Engineering Construction	9	D	-	-	32	8		2	3		
Recommended Courses											
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827*	9	C	-	-	72	-	1	2			
MF2013 Introduction to Fluid Power *Replaces 4F1340*	6	C	24	24	-	9		2			

MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
MF2021 Environmentally Adapted Product Design *Replaces 4F1641 80% participation.*	6	C	-	-	42	-			3		
MF2022 Eco Design Project* *Replaces 4F1643*	6	C	-	-	-	-	1	2	3	4	
MF2024 Robust and Probabilistic Design *The course is given in spring term 2009.*	6	A	30	-	-	-					
MF3019 Applied Experimental Methodology	7,5	D	-	-	-	-	1	2	3	4	
MG1001 Manufacturing *Replaces 4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
SE2116 Dynamic Problems in Solid Mechanics *Replaces 4C1116.*	6	D	42	-	-	8		2	3		
SE2121 Introduction to Biomechanics *Replaces 4C1121.*	9	C	48	-	-	8				4	

SE2122 Applied Solid Mechanics *Replaces 4C1122.*	9	D	28	16	-	24	1	2			
SE2123 Testing Techniques in Solid Mechanics *Replaces 4C1123.*	6	D	24	-	-	24				4	
SE2125 Solid Mechanics Modelling for Design *Replaces 4C1125.*	9	D	60	-	-	12				4	
SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Mechanical Engineering

Materials Science M4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
KD2260 Corrosion and Surface Protection, General Course	6	C	16	12	-	-	1				12 h Seminars12 h Seminars
KD2270 Biomaterials	6	D	-	-	-	-				4	
MH2000 Experimental Methods in Materials Science *Replaces 4H1069*	6	D	10	10	-	20			3		
MH2100 Powder Metallurgy *Replaces 4H1113*	6	D	18	18	-	12		2			
MH2103 High Performance Steels and Other Alloys *Replaces 4H2103*	6	D	16	8	-	-			3		
MH2200 Applied Thermodynamic and Kinetic computations	6	D	6	34	-	-		2			
MH2352 Physics and Chemistry of Modern Materials *Replaces 4H1807*	6	D	20	4	-	8		2			
Conditionally Elective Courses											
MH2150 Mechanical properties, Advanced course *Replaces 4H1206*	6	D	16	16	-	8				4	
MH2201 Advanced Materials Design	6	D	-	15	-	15			3	4	
MH2300 Functional Materials *Replaces 4H1609*	6	D	18	-	-	6			3		Study visit 8h
MH2302 Materials Optimization *Replaces 4H1614*	6	D	24	18	-	12				4	

MH2450 International Seminar in Material Processes *Ersätter* *4H1925*	6	D	2	-	-	-				4	120 h Projektuppgift120 h Projektuppgift
MH2500 Energy and Environmental Issues within the Process Industry *Replaces* *4H1944*	6	C	24	24	-	-			3		
MH2504 Industrial Metallurgical Processes *Replaces* *4H1962*	6	D	-	-	-	-				4	
MH2550 Micro modelling *Replaces* *4H1961*	6	D	20	-	12	-				4	64 h Projektuppgift64 h Projektuppgift
MH2551 Chemical Kinetics *Replaces* *4H1963*	6	D	18	18	12	-	1				4 h Seminars, 64 h Projektuppgift4 h Seminars, 64 h Projektuppgift

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Previous academic year (06/07) Next academic year (08/09)

Mechanical Engineering

Mechanics M3

A minimum of 22,5 credits of the conditionally elective courses have to be studied, of which at least 15 credits have to be on D-level courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
SG1220 Fluid Mechanics for Engineers *Replaces 5C1220.*	6	B	24	10	-	6	1				7 h Seminars7 h Seminars
Conditionally Elective Courses											
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	

Mechanics M4

A minimum of 22,5 credits of the conditionally elective courses have to be studied, of which at least 15 credits have to be on D-level courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SG2150 Rigid Body Dynamics *Replaces 5C1150.*	7	D	-	30	-	-	1				
SG2214 Fluid Mechanics *Under bearbetning*	7,5	C	-	30	30	3	1				
Conditionally Elective Courses											

SG2122 Continuum Mechanics *Replaces* *5C1122* *Under bearbetning*	6	C	42	-	-	-	1				
SG2123 Mathematical Methods of Mechanics, General Course *Replaces* *5C1123.*	6	D	36	-	-	-		2			
SG2125 Mathematical Methods of Mechanics, Intermediate Course *Ersätter* *5C1125.* *Under bearbetning*	3	D	-	-	-	-			3		
SG2126 Nonlinear Dynamics in Mechanics *Replaces* *5C1400.* *Under bearbetning*	7,5	C	24	-	-	-			3		
SG2151 Modern Multibody Dynamics *Replaces* *5C1151.*	8	D	30	-	-	-		2			
SG2211 Vehicle Aerodynamics *Replaces* *5C1211.*	6	C	28	-	-	4				4	8 h Seminars8 h Seminars
SG2212 Computational Fluid Dynamics *Replaces* *5C1212.*	7,5	D	-	-	50	10			3		
SG2213 Applied Computational Fluid Dynamics *Replaces* *5C1213.*	3	D	-	-	16	14				4	
SG2215 Compressible Flow *Replaces* *5C1215.*	7,5	D	-	-	52	9		2			
SG2218 Turbulence *Replaces* *5C1218.*	7,5	D	-	-	36	3			3	4	
SG2219 Advanced Compressible Flows *Replaces* *5C1219.*	7,5	D	-	-	48	-			3	4	
SG2221 Wave Motions and Hydrodynamic Stability *Replaces* *5C1221.*	7,5	D	-	-	42	3		2			
SG2850 Finite Element Methods *Replaces* *5C1850.*	7,5	D	33	-	-	-	1				33 h Workshop33 h Workshop
SG2860 FEM Modelling *Replaces* *5C1860.*	8	D	33	-	-	-		2			33 h Workshop33 h Workshop

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Previous academic year (06/07) Next academic year (08/09)

Mechanical Engineering

Mechatronics M3

MF209X is mandatory for future doctorate students.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1321 Applied Programming and Computer Science *Replaces 2D1321.*	9	B	38	20	-	32		2	3		
EL1120 Automatic Control, General Course *Replaces 2E1212*	6	C	24	26	-	12		2			
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
Conditionally Elective Courses											
MF106X Degree project in Mechanical Engineering (Bachelor of Science) *Replaces 4F1822*	15	C	-	-	-	-			3	4	Seminars 20 h

Mechatronics M4

MF209X is mandatory for future doctorate students.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											

MF2003 Mechatronics, Advanced Course *Replaces 4F1903*	18	D	-	-	-	-			3	4	
MF2007 Dynamics and Motion Control *Replaces 4F1907*	9	D	26	24	-	-	1				Workshop 12 h
MF2008 Embedded Control Systems *Replaces 4F1908*	9	D	12	18	-	30		2			
Conditionally Elective Courses											
MF204X Master's Project in Mechatronics	30	C	-	-	-	-					
MF209X Master Project in Mechatronics for doctorate students	30	C	-	-	-	-	1	2	3	4	8 h Seminars8 h Seminars

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Uppdaterad: 2004-11-10

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Mechanical Engineering

Naval Systems M3

One of the courses SG1217 and SG1220 has to be studied. From the recommended courses at least 11 credits have to be finished.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		
Conditionally Elective Courses											
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	
SG1217 Fluid Mechanics, Basic Course *Replaces 5C1217.*	6	B	24	10	-	6			3		7 h Seminars7 h Seminars
SG1220 Fluid Mechanics for Engineers *Replaces 5C1220.*	6	B	24	10	-	6	1				7 h Seminars7 h Seminars

Naval Systems M4

One of the courses SG1217 and SG1220 has to be studied. From the recommended courses at least 11 credits have to be finished.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											

SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2702 Naval Design* *Replaces 4E1402. Primarily aimed for MSY students.*	20	D	-	336	-	-	1	2	3	4	
SD2703 Marine Dynamics *Replaces 4E1403.*	8	D	-	-	-	-	1	2			
SD2704 Hull Structural Design	5	D	-	-	-	-		2			
Conditionally Elective Courses											
SD2701 Introduction to Naval Architecture *Replaces 4E1401.*	8	C	-	-	-	-			3		
Recommended Courses											
EH2010 Management of Technology *Replaces 2C1224*	7,5	D	32	20	-	-	1				
SD2413 Fibre Composites - Analysis and Design *Replaces 4E1113.*	6	D	52	-	-	6		2			
SD2414 Fiber Composites - Materials and Manufacturing *Replaces 4E1114.*	6	C	40	-	-	8			3	4	
SD2416 Structural Optimisation and Sandwich Design *Replaces 4E1116.*	6	D	40	-	-	18			3		
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	
SG2212 Computational Fluid Dynamics *Replaces 5C1212.*	7,5	D	-	-	50	10			3		
SG2213 Applied Computational Fluid Dynamics *Replaces 5C1213.*	3	D	-	-	16	14				4	
SG2214 Fluid Mechanics *Under bearbetning*	7,5	C	-	30	30	3	1				
SG2221 Wave Motions and Hydrodynamic Stability *Replaces 5C1221.*	7,5	D	-	-	42	3		2			

SG2223 Fluid Mechanics *Replaces 5C1223.*	9	C	32	-	32	3			3	4	

*The course has limited participation

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Mechanical Engineering

Solid Mechanics M3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		
Conditionally Elective Courses											
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	

Solid Mechanics M4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SE2122 Applied Solid Mechanics *Replaces 4C1122.*	9	D	28	16	-	24	1	2			
SE2126 Material Mechanics *Replaces 4C1126.*	9	D	60	-	-	15	1	2			
Conditionally Elective Courses											

SE2116 Dynamic Problems in Solid Mechanics *Replaces 4C1116.*	6	D	42	-	-	8		2	3		
SE2121 Introduction to Biomechanics *Replaces 4C1121.*	9	C	48	-	-	8				4	
SE2123 Testing Techniques in Solid Mechanics *Replaces 4C1123.*	6	D	24	-	-	24				4	
SE2125 Solid Mechanics Modelling for Design *Replaces 4C1125.*	9	D	60	-	-	12				4	
SE2127 Packaging Materials *Replaces 4C1127.*	7,5	D	36	-	-	12			3		
SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work
Elective Courses											
SG2122 Continuum Mechanics *Replaces 5C1122* *Under bearbetning*	6	C	42	-	-	-	1				
SG2123 Mathematical Methods of Mechanics, General Course *Replaces 5C1123.*	6	D	36	-	-	-		2			
SG2125 Mathematical Methods of Mechanics, Intermediate Course *Ersätter 5C1125.* *Under bearbetning*	3	D	-	-	-	-			3		

Previous academic year (06/07) Next academic year (08/09)

Mechanical Engineering

Sound, Vibrations and Signals M3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
SD1115 Fundamentals of Noise and Vibration Control *Replaces 4B1111.*	6	C	31	32	-	4	1				
SD2125 Signals and Mechanical Systems *Replaces 4B1121.*	6	D	24	8	-	4		2			Computer exercises 14 h. Written test 4 h.
Conditionally Elective Courses											
SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	

Sound, Vibrations and Signals M4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2140 Vibro Acoustics *Replaces 4B1127.*	8	D	-	56	-	-	1	2			

SD2150 Experimental Structure Dynamics, Project Course *Replaces 4B1132.*	9	D	-	36	24	8		2	3		
SD2155 Flow Acoustics *Replaces 4B1136.*	6	D	-	48	-	8			3		
Recommended Courses											
SD2165 Acoustical Measurements *Replaces 4B1166.*	8	D	-	-	16	20	1	2			
SD2170 Energy Methods *Replaces 4B1168.*	6	D	-	-	28	-				4	
SD2175 Numerical Methods for Acoustics and Vibration *Replaces 4B1170.*	9	D	-	-	36	-			3		
SD2180 Non-linear Acoustics *Replaces 4B1172, Not given 07/08.*	6	D	-	-	28	-					
SD2185 Ultrasonics *Replaces 4B1174. Not given 07/08.*	6	D	-	-	24	-					
SD2190 Vehicle Acoustics and Vibration *Replaces 4B1176. Not given 07/08.*	6	D	-	-	24	-					

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Mechanical Engineering

Sustainable Energy Technology M3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400.* *Examiner: Thorolf Hedborg.* *Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
MJ1401 Heat Transfer *Replaces 4A1601*	6	C	24	24	-	20		2			
MJ140x Degree project in Mechanical Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	20 h Seminars20 h Seminars
SG1220 Fluid Mechanics for Engineers *Replaces 5C1220.*	6	B	24	10	-	6	1				7 h Seminars7 h Seminars

Sustainable Energy Technology M4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MJ2405 Sustainable Power Generation *Replaces 4A1605*	9	D	50	30	-	12	1	2			
MJ2407 Sustainable Energy Utilisation *Replaces 4A1607*	9	D	-	-	72	16	1	2			
MJ2409 Applied Energy Technology - Project Course *Replaces 4A1609*	9	D	12	-	-	-			3	4	Project 78h

MJ2411 Renewable Energy Technology *Replaces 4A1611*	6	D	-	-	52	-	1					Study visit 8h
Conditionally Elective Courses												
MJ2412 Renewable Energy Technology, Advanced Course *Replaces 4A1612 Conditionally elective for Power Generation. MJ2412 or MJ2427 has to be studied*	6	D	26	-	-	-			3			Study visit 4 h
MJ2422 Thermal Comfort and Indoor Climate *Replaces 4A1622 Mandatory for Energy Utilisation*	6	D	54	-	-	-			3	4		Study visits 6h
MJ2423 Applied Refrigeration and Heat Pump Technology *Replaces 4A1623 Mandatory for Energy Utilisation.*	6	D	24	24	-	16			3	4		
MJ2426 Applied Heat and Power Technology *Replaces 4A1626 Mandatory for Power Generation.*	6	D	36	12	-	8			3	4		Project assignment 8h
MJ2427 Applied Reactor Technology and Nuclear Power Safety *Replaces 4A1627 One of the courses MJ2412 och MJ2427 has to be studied.*	6	D	48	-	-	-			3	4		Study visits 12h
Recommended Courses												
MJ2410 Energy Management *Replaces 4A1610*	6	D	50	-	-	-		2	3			
MJ2413 Energy and Environment *Replaces 4A1613 Examinator: Björn Palm, Tel 790 7453*	6	D	50	-	-	-			3	4		Study visit 6h
MJ2420 Combustion Theory *Replaces 4A1620*	6	C	18	18	-	15	1	2				

MJ2421 Modelling of Thermodynamic Systems *Replaces 4A1621*	6	D	16	-	-	32	1	2	3	4	The course is given upon agreement
MJ2424 Numerical Methods in Energy Technology *Replaces 4A1624*	6	D	24	12	-	12	1	2			
MJ2425 Cooling of Electronics *The course will not be given in 07/08. Replaces 4A1625*	6	D	-	-	48	-			3		
MJ2428 Advanced Nuclear Reactor Engineering *Replaces 4A1628*	6	D	42	-	-	-				4	Study visits 18h
MJ2429 Fluid Machinery *Replaces 4A1629*	6	C	30	18	-	12	1				
MJ2430 Thermal Fluid Machinery *REplaces 4A1630*	6	D	36	12	-	12			3	4	

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Mechanical Engineering

Systems Engineering M3

One of the conditionally elective courses has to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MG1004 Product Realization 2 for M *Replaces 4G1163*	9	C	25	50	-	6	1	2			
SF1861 Optimization for T *Replaces 5B1762.*	6	C	28	16	-	8				4	
SF1907 Mathematical Statistics, Basic Course *Replaces 5B1507.*	6	C	24	34	-	2	1				
Conditionally Elective Courses											
MF101X Degree project in Mechanical Engineering (Bachelor of Science) *Replaces 4F1824*	15	C	-	-	-	-			3	4	
MF106X Degree project in Mechanical Engineering (Bachelor of Science) *Replaces 4F1822*	15	C	-	-	-	-			3	4	Seminars 20 h
MF111X Degree project in Mechanical Engineering (Bachelor of Science) *Replaces 4F1821*	15	C	-	-	-	-			3	4	
MG101X Degree project in Mechanical Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	
MJ140x Degree project in Mechanical Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	20 h Seminars20 h Seminars

SA108X *Under bearbetning*	15	C	-	-	-	-			3	4	

Systems Engineering M4

One of the conditionally elective courses has to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1321 Applied Programming and Computer Science *Replaces 2D1321.*	9	B	38	20	-	32		2	3		
SF2812 Applied Linear Optimization* *Replaces 5B1815.*	7,5	D	24	14	-	-	1				Project assignments
SF2862 Stochastic Decision Support Models *Replaces 5B1843.* *Under bearbetning*	7,5	D	36	18	-	-			3		Homework assignments
SF2867 Decision Support Methods - Project Course *Replaces 5B1847.*	7,5	D	12	6	-	-				4	Project assignments
SF2937 Reliability Theory *Replaces 5B1537.*	7,5	D	-	-	60	-	1				
Recommended Courses											
SF2822 Applied Nonlinear Optimization *Replaces 5B1817.*	7,5	D	24	14	-	-		2			Project assignments
SF2974 Portfolio Theory and Risk Management *Replaces 5B1574.*	6	D	30	12	-	-	1				
Elective Courses											
AH2204 Advanced Transport Modelling *Replaces 1N1154. (prior level D)*	7,5	A	24	8	-	12				4	Seminar 6h
SF2822 Applied Nonlinear Optimization *Replaces 5B1817.*	7,5	D	24	14	-	-		2			Project assignments
SF2974 Portfolio Theory and Risk Management *Replaces 5B1574.*	6	D	30	12	-	-	1				

*The course has limited participation

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Uppdaterad: 2004-11-10

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Media Technology

Media Technology MEDIA2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AD2KOR Communicative Spaces* *Under bearbetning*	6	C	-	-	-	-		2			160 h Workshop160 h Workshop
DD1320 Applied Computer Science *Replaces 2D1320.*	6	A	28	14	-	20	1	2			
DD1334 Database Technology *Replaces 2D1334.*	6	C	24	20	-	12			3		
DM1574 Media Technology, Basic Course *Replaces 2D1574.*	18	A	66	6	-	35	1	2			11 h Projektuppgift, 8 h Study visit11 h Projektuppgift, 8 h Study visit
EP1100 Data Communications and Computer Networks *Replaces 2E1616 Given at Campus Valhallavägen Under bearbetning*	7,5	G	24	18	-	4			3		
ME1002 Industrial Economics, Basic Course *Replaces 4D1200. Examiner: Thomas Westin Under bearbetning*	6	A	24	14	-	-				4	Seminars 2h
SF1901 Probability Theory and Statistics *Replaces 5B1501.*	6	A	24	36	-	-				4	

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Media Technology

Media Technology MEDIA3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
AK1207 Media from Technology to Culture *Replaces 4D1215. (prior level B)*	6	G	20	-	-	-	1				16h Seminars
DH2620 Human-Computer Interaction, Introductory Course *Replaces 2D1620.*	6	C	20	10	-	2	1				
DT1120 Spectral Transforms in Media Engineering *Replaces 2F1120.*	6	B	20	12	-	20		2			
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-		2			Project work Seminars 5 h Study visit
Recommended Courses											
LI1101 Information Searching for bachelor of science	3	C	-	-	-	-			3		3 laborations on all together 12 hours.
Elective Courses											
DH2413 Advanced Graphics and Interaction *Replaces 2D1413.*	9	D	46	-	-	12	1	2			
DH2418 Language Engineering *Replaces 2D1418.*	6	D	40	-	-	12	1				
DM250N Telepresence Production *Replaces 2D1573.*	6	C	22	-	10	-			3	4	
DM2590 Media Perception *Replaces 2D1590.*	6	C	30	-	-	21			3		

DM2591 Production Technology for Moving Pictures *Replaces 2D1591*	9	C	56	-	-	8				4	
EL1150 Introductory Matlab Course	1,5	G	4	4	-	-			3		8 h Computer8 h Computer
ME2042 Business Negotiations* *Replaces 4D1041. Examinor: Thorolf Hedborg. Under bearbetning*	6	C	22	4	-	-	1	2			Role-play 8h Seminars 4h
SD1105 Matlab *Replaces 4B1056.*	3	A	-	-	-	-	1	2	3	4	Self studies

*The course has limited participation

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Media Technology

Media Technology MEDIA4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DM2577 Content and Expression in Media *Replaces 2D1577.*	9	D	40	12	-	-			3	4	
ME2019 Mangement and Law for Media *Replaces 2D1576.* *Examiner Bengt Domeij* *Under bearbetning*	9	C	-	-	-	-			3	4	
Elective Courses											
DH2413 Advanced Graphics and Interaction *Replaces 2D1413.*	9	D	46	-	-	12	1	2			
DH2418 Language Engineering *Replaces 2D1418.*	6	D	40	-	-	12	1				
DM2592 Processing of Moving Pictures *Replaces 2D1592.*	9	D	32	-	-	3	1				
DM2593 Display and Projection Technology *Replaces 2D1593.*	6	C	20	-	-	7		2			
DT1120 Spectral Transforms in Media Engineering *Replaces 2F1120.*	6	B	20	12	-	20		2			

DT2212 Music Acoustics *Replaces 2F1212. Given every second year. Not given 07/08.*	7,5	D	-	-	48	8					
EL1150 Introductory Matlab Course	1,5	G	4	4	-	-			3		8 h Computer8 h Computer
EQ1100 Signals and Systems, part II *Replaces 2E1313*	7,5	G	30	28	60	4		2			
ME2042 Business Negotiations* *Replaces 4D1041. Examinor: Thorolf Hedborg. Under bearbetning*	6	C	22	4	-	-	1	2			Role-play 8h Seminars 4h
SD1105 Matlab *Replaces 4B1056.*	3	A	-	-	-	-	1	2	3	4	Self studies
SF1635 Signals and Systems, part I *Replaces 5B1209.*	7,5	A	34	-	26	-		2			

*The course has limited participation

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Uppdaterad: 2004-11-10

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Media Technology

Audio Technology MEDIA3

2F1120 Spectral Transforms is prequisite for the spec.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Elective Courses											
EL1150 Introductory Matlab Course	1,5	G	4	4	-	-			3		8 h Computer8 h Computer

Audio Technology MEDIA4

2F1120 Spectral Transforms is prequisite for the spec.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DT2112 Speech Technology *Replaces 2F1112.*	7,5	C	36	14	-	6			3		
DT2213 Musical Communication and Music Technology *Replaces 2F1213.*	7,5	D	28	8	-	12				4	Project assignment 30h
DT2410 Audio Technology *Replaces 2F1410.*	7,5	D	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift
EN2100 Sound Perception *Replaces 2E1390.*	7,5	A	24	12	-	4	1				20 h Projektuppgift20 h Projektuppgift
Elective Courses											
EQ1100 Signals and Systems, part II *Replaces 2E1313*	7,5	G	30	32	-	4				4	10 h Computer10 h Computer
SF1635 Signals and Systems, part I *Replaces 5B1209.*	7,5	A	34	-	26	-		2			

Previous academic year (06/07) Next academic year (08/09)

Media Technology

Communication Systems MEDIA3

One of the courses EP2120/IK1550 has to be studied. Among the conditionally elective courses at least one has to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
EP2120 Internetworking *Replaces 2E1605* *Under bearbetning*	7,5	A	20	20	-	-			3		
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given at Campus Valhallavägen* *Under bearbetning*	6	C	20	18	-	10				4	Assignments
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given in Kista. Replaces 2G1305*	6	C	14	14	-	-				4	

Under bearbetning											

Communication Systems MEDIA4

One of the courses EP2120/IK1550 has to be studied. Among the conditionally elective courses at least one has to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
EP2120 Internetworking *Replaces 2E1605* *Under bearbetning*	7,5	A	20	20	-	-			3		
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given at Campus Valhallavägen* *Under bearbetning*	6	C	20	18	-	10				4	Assignments
IK1550 Internetworking *The course is evaluated and developed according to the KTH policy for Course Analysis (see KTH-Handbok 2, Tab 14.1) Given in Kista. Replaces 2G1305* *Under bearbetning*	6	C	14	14	-	-				4	
IK2202 Communication System Design *Replaces 2G1322* *Under bearbetning*	24	D	-	-	-	-	1	2	3	4	Project plan P3 Project report P3 and P4
Conditionally Elective Courses											

EP2200 Queuing Theory and Teletraffic Systems *The course replaces 2E1618.*	7,5	C	24	24	-	-		2			
ID2206 Operating Systems *Under bearbetning*	7,5	C	28	10	-	-		2			
ID2209 Distributed Artificial Intelligence and Intelligent Agents *Replaces 2G1524* *Under bearbetning*	7,5	D	24	10	-	-		2			

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Previous academic year (06/07)

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Media Technology

Information System Management MEDIA3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
IV2015 Knowledge Management *Replaces 2I1419* *Under bearbetning*	7,5	D	24	24	-	-			3		
IV2031 Strategic Management of IT *Replaces 2I2126*	7,5	D	20	-	-	-				4	15 h Projektuppgift15 h Projektuppgift
IV2034 Systems Theory and IT *Replaces IV1012.* *Under bearbetning*	7,5	D	-	-	-	-			3		
IV2035 Organisations, IT-Systems and Management *Replaces IV2004.* *Under bearbetning*	7,5	D	-	-	-	-				4	

Previous academic year (06/07)

Next academic year (08/09)

Media Technology

Interactive Media Technology MEDIA3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	
DH2323 Computer Graphics and Interaction *Replaces 2D1323. Allowed for all programmes except D.*	6	C	28	-	-	8				4	
DM250N Telepresence Production *Replaces 2D1573.*	6	C	22	-	10	-			3	4	
Elective Courses											
DM2590 Media Perception *Replaces 2D1590.*	6	C	30	-	-	21			3		

Interactive Media Technology MEDIA4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	Periods 2	Periods 3	Periods 4	Other
Compulsory Courses											
DD2390 Internet Programming *Replaces 2D1390.*	6	C	18	-	-	32		2			
DH2651 Computer Game Design and Advanced Graphics* *Replaces 2D1651. Limited number of participants.*	9	D	48	12	-	18	1	2			
Elective Courses											
DD2483 Development of Web Applications with Enterprise Java *Replaces 2D1483.*	6	D	16	-	-	32			3		
DM2517 XML for Publishing *Replaces 2D1517.*	7,5	C	16	2	-	24	1	2			20 h Projektuppgift20 h Projektuppgift
DM2590 Media Perception *Replaces 2D1590.*	6	C	30	-	-	21			3		
DT2410 Audio Technology *Replaces 2F1410.*	7,5	D	30	12	-	12		2			20 h Projektuppgift20 h Projektuppgift

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Media Technology

Journalism MEDIA3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DM2701 Specialisation Course in Journalism, Part 1*	9	C	-	-	-	-			3		
DM2702 Specialisation Course in Journalism, Part 2*	6	C	-	-	-	-				4	

*The course has limited participation

Journalism MEDIA4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DM2703 Specialisation Course in Journalism, Part 3*	7,5	D	-	-	-	-	1				
DM2704 Specialisation Course in Journalism, Part 4*	7,5	D	-	-	-	-		2			

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Media Technology

Man-Machine Interaction MEDIA3

At least one of the conditionally elective courses has to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DH2622 Human-Computer Interaction, Advanced Course with Prototyping *Replaces 2D1622.*	9	C	18	5	-	8		2			
DH2640 Graphics and Interaction Programming *Replaces 2D1640.*	9	C	42	8	-	42			3	4	
DH2655 Cooperative IT-design *Replaces 2D1655.*	9	D	28	10	-	8			3	4	
Conditionally Elective Courses											
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	

DH2400 Physical Interaction Design and Realization *Replaces 2D1400.*	7,5	D	12	-	-	12			3		
DH2408 Evaluation Methods in Human-Computer Interaction *Replaces 2D1408. Given if there are at least 15 participants.*	6	D	16	10	-	-			3		
DH2413 Advanced Graphics and Interaction *Replaces 2D1413.*	9	D	46	-	-	12	1	2			
DT2112 Speech Technology *Replaces 2F1112.*	7,5	C	36	14	-	6			3		

Man-Machine Interaction MEDIA4

At least one of the conditionally elective courses has to be studied.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Conditionally Elective Courses											
DD2390 Internet Programming *Replaces 2D1390.*	6	C	18	-	-	32		2			
DH2400 Physical Interaction Design and Realization *Replaces 2D1400.*	7,5	D	12	-	-	12			3		

DH2408 Evaluation Methods in Human-Computer Interaction *Replaces 2D1408. Given if there are at least 15 participants.*	6	D	16	10	-	-			3		
DH2413 Advanced Graphics and Interaction *Replaces 2D1413.*	9	D	46	-	-	12	1	2			
DH2416 Computer Support for Cooperative Work *Replaces 2D1416. Given if there are at least 15 participants.*	9	D	24	12	-	2			3	4	
DH2418 Language Engineering *Replaces 2D1418.*	6	D	40	-	-	12	1				
DH2625 IT-design for the Disabled *Replaces 2D1625. Given if there are at least 15 participants.*	6	A	18	-	-	8		2			Seminars 8 h
DH2630 Methods in Behavioural Science *Replaces 2D1630.*	6	C	18	6	-	-	1				
DT2112 Speech Technology *Replaces 2F1112.*	7,5	C	36	14	-	6			3		

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Media Technology

Printed communication MEDIA4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DM2517 XML for Publishing *Replaces 2D1517.*	7,5	C	16	2	-	24	1	2			20 h Projektuppgift20 h Projektuppgift
DM2529 Digital Images for Publication *Replaces 2D1529.*	7,5	C	22	8	-	15	1				8 h Study visit8 h Study visit
DM2531 Graphic Arts Production *Replaces 2D1531.*	7,5	C	30	-	-	8		2			8 h Study visit8 h Study visit
ME2015 Project Management: Leadership and Control *Replaces 4D1047.* *Examiner Johann Packendorff* *Under bearbetning*	6	B	40	8	-	-	1				

Previous academic year (06/07)

Next academic year (08/09)

Media Technology

Video and Film Production MEDIA3

2F1120 spectral Transforms is prerequisite for the spec.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DM2590 Media Perception *Replaces 2D1590.*	6	C	30	-	-	21			3		
DM2591 Production Technology for Moving Pictures *Replaces 2D1591*	9	C	56	-	-	8				4	

Video and Film Production MEDIA4

2F1120 spectral Transforms is prerequisite for the spec.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DM2592 Processing of Moving Pictures *Replaces 2D1592.*	9	D	32	-	-	3	1				
DM2593 Display and Projection Technology *Replaces 2D1593.*	6	C	20	-	-	7		2			

Previous academic year (06/07)

Next academic year (08/09)

Microelectronics

Microelectronics ME2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DN1215 Numerical Methods, Basic Course	7,5	A	20	-	-	20			3		
EI1102 Electrical Circuit Analysis	7,5	A	24	30	-	4					
EI1200 Electromagnetic Field Theory	7,5	C	-	-	-	-		2			
EI1200 Electromagnetic Field Theory	7,5	C	37	36	-	-	1	2			
IH1611 Semiconductor Devices *Replaces 2B1252* *Under bearbetning*	7,5	C	32	10	-	12				4	
IT1611 Project Course in Microelectronics *Replaces 2B1112* *Under bearbetning*	7,5	A	12	-	-	50				4	
SF1635 Signals and Systems, part I *Replaces 5B1209.*	7,5	A	-	-	60	-	1				
SF1648 Partial Differential Equations	7,5	C	-	-	60	-			3		
SF1649 Vector Analysis and Complex Functions *Replaces 5B1219.*	7,5	C	-	-	-	-		2			

Previous academic year (06/07) Next academic year (08/09)

Microelectronics

Microelectronics ME3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EQ1100 Signals and Systems, part II *Replaces 2E1313*	7,5	G	30	28	60	4		2			
IE1204 Digital Design *Replaces 2B1560 Under bearbetning*	7,5	A	24	22	-	16			3		
IM2691 Condensed Matter Physics *Replaces 2B1710 Under bearbetning*	9	D	38	22	-	24			3	4	
IO2691 Optics, General Course *Replaces 2B1380 Under bearbetning*	6	D	26	14	-	25	1				
SF1913 Mathematical Statistics for IT and ME	7,5	A	28	40	-	-	1				
Elective Courses											
IO2692 Optics, Extended Course *The course can only be studied as a supplement to IO2691. Replaces 2B1381 Under bearbetning*	3	D	12	6	-	10	1				

LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-	1				Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to
LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-			3		Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to
LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-		2			Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to
LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-				4	Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to

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Previous academic year (06/07)

Next academic year (08/09)

Microelectronics

Microelectronics ME4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
IL1203 Design of Digital Integrated Circuits - LSI *Replaces 2B1430* *Under bearbetning*	7,5	C	20	8	-	16				4	Project 16h.
Elective Courses											
IO2692 Optics, Extended Course *The course can only be studied as a supplement to IO2691. Replaces 2B1381* *Under bearbetning*	3	D	12	6	-	10	1				
IS1202 Computer Systems Architecture *Replaces 2G1534* *Under bearbetning*	7,5	C	16	16	-	16				4	Homework 16h
IT2655 Frontiers of Microelectronics and Information Technology *Offered twice a year, either fall or spring.* *Under bearbetning*	6	D	20	-	-	-	1	2	3	4	

LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-	1				Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to
LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-		2			Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to
LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-			3		Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to
LI1021 Information Searching for D, E, F, Medie	1,5	B	-	-	-	-				4	Three laborations on all together 9 hours. The course is given regularly throughout the academic year. Please refer to

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Previous academic year (06/07) Next academic year (08/09)

Microelectronics

Biomedical Engineering ME3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
Conditionally Elective Courses											
IH2653 Simulation of Semiconductor Devices *Replaces 2B1248* *Under bearbetning*	7,5	D	24	-	-	32		2			
IT2651 Microwave Engineering *Replaces 2B1812* *Under bearbetning*	7,5	D	36	18	-	10		2			

*The course has limited participation

Biomedical Engineering ME4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
EK2260 Measurement Systems, Project Course* *Replaces 2E1126*	6	A	6	-	-	50			3		
EK2350 Microsystem Technology* *Replaces 2E1135*	7,5	D	28	-	-	40				4	Industry Site Visit 4h
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars
HL2002 Medical Instrumentation and Signal Processing*	6	D	30	-	-	6			3	4	
HL2003 Radiation Physics and Biology	6	D	36	-	-	-				4	

HL2004 Engineering in Intensive Care and Anesthesia*	6	D	12	-	-	-			3	4	30 + 10h (field work with oral and written report)
HL2005 Implants and Biomaterials*	6	D	25	-	-	-			3	4	
HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1				
IH2653 Simulation of Semiconductor Devices *Replaces 2B1248* *Under bearbetning*	7,5	D	24	-	-	32		2			
IH2655 Design and Characterisation of Nano- and Microdevices* *Replaces 2B1242* *Under bearbetning*	7,5	D	24	-	-	32			3		
SH2310 Radiation Detectors and Medical Imaging Systems *Replaces 5A1414.*	7,5	D	24	-	-	15			3	4	6 h Seminars, 20 h Study visit6 h Seminars, 20 h Study visit

*The course has limited participation

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Previous academic year (06/07) Next academic year (08/09)

Microelectronics

Electronics ME3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IF2692 Statistical Physics *Replaces 2B1270* *Under bearbetning*	7,5	D	30	18	-	-				4	
IH2653 Simulation of Semiconductor Devices *Replaces 2B1248* *Under bearbetning*	7,5	D	24	-	-	32		2			
IL1218 Analog Electronics, Advanced Course *Replaces 2B1515. The course IL1218 replayces by IL2218.* *Under bearbetning*	7,5	C	30	14	-	20		2	3		Project work
IL2218 Analog Electronics, Advanced Course *Under bearbetning*	7,5	D	30	14	-	20		2	3		Project work
IS1200 Computer Hardware Engineering *Replaces 2G1518* *Under bearbetning*	7,5	B	20	20	-	12			3		

IT2651 Microwave Engineering *Replaces* *2B1812* *Under bearbetning*	7,5	D	36	18	-	10		2			

Electronics ME4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
IH2652 Methods and Instruments of Analysis* *Replaces* *2B1221* *Under bearbetning*	7,5	D	24	-	-	24		2			
IH2654 Nanoelectronics *Replaces* *2B1234* *Under bearbetning*	9	D	30	10	-	8				4	
IH2655 Design and Characterisation of Nano- and Microdevices* *Replaces* *2B1242* *Under bearbetning*	7,5	D	24	-	-	32			3		
IH2656 Advanced Semiconductor Materials *Replaces* *2B1823* *Under bearbetning*	7,5	D	34	-	-	16			3		Study tour to a semiconductor industry
IH2657 Design of Nano Semiconductor Devices *Replaces* *2B1246* *Under bearbetning*	7,5	D	-	-	-	-				4	
IH2661 Power Semiconductor Devices* *Under bearbetning*	7,5	D	40	-	-	-		2			
IK2500 Radio Communication, Basic Course *Replaces* *2E1511* *Under bearbetning*	6	D	24	24	-	8	1				
IL2200 ASIC-design Methodology with High-level Languages *Replaces* *2B1423* *Under bearbetning*	7,5	D	20	4	-	20		2			

IL2201 Design of Digital Integrated Circuits - VLSI *Replaces 2B1428* *Under bearbetning*	7,5	D	20	8	-	16			3	4		
IL2204 DSP-Construction with HDL *Replaces 2B1435* *Under bearbetning*	7,5	D	24	12	-	24			3			
IL2206 Embedded Systems *Replaces 2B1446*	7,5	C	24	8	-	16	1					
IL2207 System-On-Chip Architectures *Replaces 2B1448* *Under bearbetning*	7,5	D	24	8	-	12		2				
IL2212 Embedded Software *Replaces 2B1463* *Under bearbetning*	7,5	D	20	8	-	12			3			
IL2217 Digital Design with HDL *Replaces 2B1513* *Under bearbetning*	7,5	D	22	10	-	28	1					
IL2219 Radio Electronics *Replaces 2B1600* *Under bearbetning*	7,5	D	26	12	-	16				4		
IL2220 Low Power Analog and Mixed Signal ICs *Replaces 2B1611* *Under bearbetning*	7,5	D	-	14	42	-				4		
IL2221 Advanced Topics in Mixed Mode Design *Replaces 2B1670* *Under bearbetning*	7,5	D	24	-	-	-	1				12 h Projektuppgift12 h Projektuppgift	
IS2206 Research Methods in Computer Systems Engineering *Replaces 2G1535* *Under bearbetning*	7,5	D	8	-	-	-			3			

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Microelectronics

International Profile ME2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EI1102 Electrical Circuit Analysis	7,5	A	24	30	-	4					
EI1200 Electromagnetic Field Theory	7,5	C	37	36	-	-	1	2			
EI1200 Electromagnetic Field Theory	7,5	C	-	-	-	-		2			
IF1621 Quantum Mechanics I *Replaces 2B1121* *Under bearbetning*	7,5	C	30	24	-	-			3		
IH1611 Semiconductor Devices *Replaces 2B1252* *Under bearbetning*	7,5	C	32	10	-	12				4	
IT1611 Project Course in Microelectronics *Replaces 2B1112* *Under bearbetning*	7,5	A	12	-	-	50				4	
SF1635 Signals and Systems, part I *Replaces 5B1209.*	7,5	A	-	-	60	-	1				
SF1648 Partial Differential Equations	7,5	C	-	-	60	-			3		
SF1649 Vector Analysis and Complex Functions *Replaces 5B1219.*	7,5	C	-	-	-	-		2			
Conditionally Elective Courses											
DS1324 Technical German, Intermediate Level*	9	B	-	-	56	-			3	4	
DS1334 Technical French, Intermediate Level*	9	B	-	-	56	-			3	4	
DS1348 Technical Spanish, Intermediate Level*	9	B	-	-	56	-			3	4	

DS1382 Japanese, Advanced Beginners Level I*	6	B	-	-	56	-			3	4	
DS1392 Chinese, Advanced Beginners Level I*	6	B	-	-	56	-			3	4	

*The course has limited participation

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Microelectronics

Material Physicists ME3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
IF2692 Statistical Physics *Replaces 2B1270* *Under bearbetning*	7,5	D	30	18	-	-				4	
Conditionally Elective Courses											
DN2220 Applied Numerical Methods I *Replaces 2D1220.*	6	C	36	-	-	14			3	4	
IF2651 Quantum Electronics *Replaces 2B1822* *Under bearbetning*	7,5	D	24	16	-	-		2			

Material Physicists ME4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
IH2654 Nanoelectronics *Replaces 2B1234* *Under bearbetning*	9	D	30	10	-	8				4	
IM2652 Surface Physics, Basic Course *Under bearbetning*	6	D	36	-	-	-		2			
IM2654 Smart Electronic Materials *Replaces 2B1750* *Under bearbetning*	6	C	18	10	-	8	1				

IM2661 Superconductivity and Applications *Replaces 2B1771* *Under bearbetning*	6	D	28	-	-	-		2			
IM2662 Experimental Methods in Material Physics *Replaces 2B1760* *Under bearbetning*	7,5	C	26	22	-	30		2	3		
KF3100 Polymer Physics	6	D	21	9	-	16				4	
SH2500 Atomic and Molecular Physics *Replaces 5A1456.*	6	D	24	-	-	-	1				
SK2700 Mesoscopic Physics *Replaces 5A1378.*	8	D	36	-	-	8		2			
SK2710 Spin Electronics *Replaces 5A1379.*	8	D	24	-	-	4				4	

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Previous academic year (06/07) Next academic year (08/09)

Microelectronics

Photonics ME3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
IF2651 Quantum Electronics *Replaces 2B1822* *Under bearbetning*	7,5	D	24	16	-	-		2			
IO2653 Fiber-optical Communication *Replaces 2B1813* *Under bearbetning*	7,5	D	28	14	-	8			3		
IO2655 Photonics *Replaces 2B1814* *Under bearbetning*	7,5	D	38	-	-	8				4	
IO2692 Optics, Extended Course *The course can only be studied as a supplement to IO2691. Replaces 2B1381* *Under bearbetning*	3	D	12	6	-	10	1				
IT2651 Microwave Engineering *Replaces 2B1812* *Under bearbetning*	7,5	D	36	18	-	10		2			

Photonics ME4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
EQ1200 Signal Theory *Replaces 2E1423* *Under bearbetning*	7,5	A	24	22	-	10			3		
IH2653 Simulation of Semiconductor Devices *Replaces 2B1248* *Under bearbetning*	7,5	D	24	-	-	32		2			
IH2656 Advanced Semiconductor Materials *Replaces 2B1823* *Under bearbetning*	7,5	D	34	-	-	16			3		Study tour to a semiconductor industry
IK2500 Radio Communication, Basic Course *Replaces 2E1511* *Under bearbetning*	6	D	24	24	-	8	1				
IO2652 Optics, Continuation Course *Under bearbetning*	6	D	24	8	-	-			3		
IO2654 Optical Networking *Replaces 2B1824* *Under bearbetning*	7,5	D	28	-	-	-				4	
SH2500 Atomic and Molecular Physics *Replaces 5A1456.*	6	D	24	-	-	-	1				
SK2320 Problem Solving in Optics *Replaces 5A1520.*	6	D	-	-	-	-	1	2	3	4	
SK2350 Optical Measurement Techniques *Replaces 5A1510.*	6	D	36	-	-	-			3	4	One individual task. Study visits.
SK2410 Laser Physics *Replaces 5A1800.*	6	D	24	12	-	8				4	
SK2810 Femto Chemistry *Replaces 5A1491.*	8	D	36	-	-	-			3		
Elective Courses											
IO2659 Laser Engineering *Under bearbetning*	7,5	D	24	12	-	8				4	Students from the above prrograms can register via SK2410 course.

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Vehicle Engineering

Vehicle Engineering T2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
MF1015 Product Realization *Replaces 4F1815*	12	B	34	50	-	-	1	2			
SD1120 Noise and Vibration Control *Replaces 4B1117.*	9	C	38	44	-	8			3	4	
SE1010 Solid Mechanics, Basic Course *Replaces 4C1010.*	12	B	54	30	-	2	1	2			60 h Projektuppgift60 h Projektuppgift
SF1634 Differential Equations II *Replaces 5B1207.*	9	C	60	30	-	-			3		
SG1140 Mechanics II *Replaces 5C1140.*	6	B	30	15	-	-	1				
SG1216 Thermodynamics for vehicle technology *Replaces 5C1216.*	6	B	20	10	-	-				4	1 h Seminars1 h Seminars
SG1217 Fluid Mechanics, Basic Course *Replaces 5C1217.*	6	B	24	10	-	6			3		7 h Seminars7 h Seminars

Previous academic year (06/07)

Next academic year (08/09)

Vehicle Engineering

Vehicle Engineering T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
EL1000 Automatic Control, General Course *Replaces 2E1200*	6	C	24	26	-	12		2			
MF1017 Basic Electrical Engineering *Replaces 4F1817*	6	B	16	20	-	13	1				
SD2125 Signals and Mechanical Systems *Replaces 4B1121.*	6	D	24	8	-	4		2			Computer exercises 14 h. Written test 4 h.
SE1025 FEM for Engineering Applications *Replaces 4C1025.*	6	C	36	14	-	4			3		
SF1861 Optimization for T *Replaces 5B1762.*	6	C	28	16	-	8				4	
SF1907 Mathematical Statistics, Basic Course *Replaces 5B1507.*	6	C	24	34	-	2	1				
Conditionally Elective Courses											
DD1321 Applied Programming and Computer Science *Replaces 2D1321.*	9	B	38	20	-	32		2	3		
HM1025 Ergonomics in Product Development	6	B	18	9	-	6		2			

ME1008 Work Organization and Leadership *Replaces 4D1075* *Examiner Matti Kaulio* *Under bearbetning*	6	B	24	24	-	-			3			
MF2018 Tribology *Replaces 4F2018*	6	C	-	-	30	5		2				
MJ1401 Heat Transfer *Replaces 4A1601*	6	C	24	24	-	20		2				
SE1128 Solid Mechanics for Machine Design *Replaces 4C1128.*	6	C	24	24	-	-				4		
Elective Courses												
DD1322 Applied Programming and Computer Science, Part 1 *Replaces 2D1322.*	6	B	26	14	-	14		2				
DD1324 Applied Programming and Computer Science, Part 2 *Replaces 2D1324.*	3	B	12	6	-	18			3			
DN2225 Numerical Solutions of Differential Equations *Replaces 2D1225.*	6	C	24	4	-	12	1	2				
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400.* *Examiner: Thorolf Hedborg.* *Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars	
MG1001 Manufacturing *Replaces 4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit	
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3			
MG2022 Advanced CAD Modelling & Rapid Prototyping, Project Course *Replaces 4K1213*	6	D	16	24	-	-		2	3		Project work	
MH1004 Materials Science for Mechanical Engineering *Replaces 4H1063*	6	B	36	-	-	15		2				

MH1005 Structural Materials *Replaces* *4H1068*	6	B	36	-	-	15	1				
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-		2			Project work Seminars 5 h Study visit
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-	1				Seminars 5 h Project work Study visit
SD2140 Vibro Acoustics *Replaces* *4B1127.*	8	D	-	56	-	-	1	2			
SD2500 Wood and Cellulose Materials *Replaces* *4E1601.*	7	C	56	-	-	18			3	4	
SK2360 Laser Metrology and Optical Metrology *Replaces* *5A1228.*	6	B	24	-	6	-			3	4	
SK2370 Physics of Visual Impressions *Replaces* *5A1229.*	6	B	24	-	6	-				4	

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Vehicle Engineering

Vehicle Engineering T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
3D1163 Pulp Technology *Under bearbetning*	4	D	20	-	-	24	1				
DD1320 Applied Computer Science *Replaces 2D1320.*	6	A	28	14	-	20	1	2			
DD1334 Database Technology *Replaces 2D1334.*	6	C	24	20	-	12			3		
DD2257 Visualization *Replaces 2D1257.*	6	C	16	-	-	14			3		
DD2354 Algorithms and Complexity *Replaces 2D1354.*	6	C	30	18	-	-	1	2			
DD2385 Software Engineering *Replaces 2D1385.*	6	C	24	12	-	18				4	

DD2426 Robotics and Autonomous Systems* *Replaces 2D1426.*	7,5	D	16	-	-	60				4	
DD2432 Artificial Neural Networks and Other Learning Systems *Replaces 2D1432.*	6	D	26	-	-	16			3		
DN2225 Numerical Solutions of Differential Equations *Replaces 2D1225.*	6	C	24	4	-	12	1	2			
DN2255 Numerical Solutions of Differential Equations *Replaces 2D1255.*	7,5	D	30	-	-	8			3	4	
DN2258 Introduction to High Performance Computing* *Replaces 2D1258. Please note that the course starts in August. Will not be on the central schedule.*	7,5	C	40	-	-	40	1				
DN2260 The Finite Element Method *Replaces 2D1260.*	6	C	18	14	-	10	1				
DN2266 Mathematical Models, Analysis and Simulation Part 1 *Replaces 2D1266.*	7,5	C	48	-	-	12	1	2			

DN2269 Mathematical Models, Analysis and Simulation, part 2 *Replaces 2D1269. Not given 07/08.*	7,5	D	42	-	-	12					
DN2297 Advanced Individual Course in Scientific Computing *Replaces 2D1297. Course may start any time during the semester.*	6	D	-	-	-	-	1	2	3	4	
DT2400 Electroacoustics *Replaces 2F1400.*	7,5	C	34	12	-	8	1				
ED2200 Energy and Fusion Research *Replaces 2A1151*	6	A	26	12	-	-				4	
EF2240 Space Physics I *Replaces 2A1160*	6	A	18	-	-	-	1				
EG2040 Wind Power Systems *Replaces 2C1117.*	7,5	A	60	-	-	-			3	4	
EJ2410 Hybrid Vehicle Drives* *Replaces 2C1243*	7,5	A	-	-	-	-		2			3 course meetings. (LTH, CTH and KTH) Project work/ assignments in between the meetings.
EL2420 Automatic Control, Project Course* *Replaces 2E1242*	12	A	10	-	-	50				4	
EL2620 Nonlinear Control *Replaces 2E1262*	7,5	A	28	28	-	8		2			

HL1000 Quality and Regulatory Aspects on Medical Devices	3	D	20	-	-	-			3	4	
HL1008 Cellular and Molecular Biology*	15	C	67	-	-	18			3	4	3 h Seminars3 h Seminars
HL1010 Systems Biology*	7,5	C	32	-	-	25		2			24 h Seminars24 h Seminars
HL2002 Medical Instrumentation and Signal Processing*	6	D	30	-	-	6			3	4	
HL2003 Radiation Physics and Biology	6	D	36	-	-	-				4	
HL2004 Engineering in Intensive Care and Anesthesia*	6	D	12	-	-	-			3	4	30 + 10h (field work with oral and written report)
HL2005 Implants and Biomaterials*	6	D	25	-	-	-			3	4	
HL2006 Medical Engineering, Basic Course	7,5	D	-	-	-	-	1				
KD2260 Corrosion and Surface Protection, General Course	6	C	16	12	-	-	1				12 h Seminars12 h Seminars
ME1008 Work Organization and Leadership *Replaces 4D1075* *Examiner Matti Kaulio* *Under bearbetning*	6	B	24	24	-	-			3		
ME1011 Commercial Law *Replaces 4D1051.* *Examiner: Bengt Domeij.* *Under bearbetning*	6	B	14	18	-	-			3		
ME2021 Advanced Patent Law *Replaces 4D1057.* *Examiner Bengt Domeij.* *Under bearbetning*	6	C	4	14	-	-	1				14 h SeminarsSeminars 14h 14 h Seminars

ME2023 Industrial Marketing *Replaces 4D1062. Examiner: Henrik Uggla. Under bearbetning*	6	B	36	12	-	-	1				
ME2040 Human Factors Engineering *Replaces 4D1084. Examinor: Lena Mårtensson. Under bearbetning*	6	B	24	6	3	3			3		
ME2041 Psychology for Engineers *Replaces 4D1093. Examiner: Lena Mårtensson. Under bearbetning*	6	B	24	3	-	4		2			
MF1025 Model Based Product Development II *Replaces 4F1825*	6	C	24	24	-	12	1				
MF1026 Model Based Product Development I	9	C	24	24	-	12	1	2			Project
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827*	9	C	-	-	72	-	1	2			
MF2013 Introduction to Fluid Power *Replaces 4F1340*	6	C	24	24	-	9		2			
MF2014 Fluid Systems and Machines *Replaces 4F1343*	6	C	24	24	-	12	1	2			
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				

MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
MF2017 Combustion Engines, Project Course *Replaces 4F1460 Open only for students with individual specialization of Combustion engines.*	9	D	-	-	18	-			3	4	
MF2018 Tribology *Replaces 4F2018*	6	C	-	-	30	5		2			
MF2021 Environmentally Adapted Product Design *Replaces 4F1641 80% participation.*	6	C	-	-	42	-			3		
MF2022 Eco Design Project* *Replaces 4F1643*	6	C	-	-	-	-	1	2	3	4	
MF2025 Project Work in Mechatronics* *Replaces 4F1141 Limited attendance due to limited number of availible projects*	6	C	-	-	-	-	1	2	3	4	No scheduled hours
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
MG1010 Introductory Welding Technology *Replaces 4G1230*	6	C	24	18	-	12	1				

MG1011 Intermediate Welding Technology *Replaces* *4G1231*	6	D	24	24	-	12	1	2			
MG2022 Advanced CAD Modelling & Rapid Prototyping, Project Course *Replaces* *4K1213*	6	D	16	24	-	-		2	3		Project work
MH2100 Powder Metallurgy *Replaces* *4H1113*	6	D	18	18	-	12		2			
MH2253 Foundry Processing *Replaces* *4M1341*	6	D	12	-	-	-			3		Seminarier 24h Other 28h
MH2254 Space Systems and Technology *Replaces* *4M1342*	6	D	36	-	-	-		2			
MH2275 Project Assignment *Replaces* *4M1051*	6	D	-	160	-	-	1				
MH2279 Materials Processing, Project Support *Replaces* *4M1343*	6	D	72	48	-	40	1	2			
MH2280 Simulation and Modelling *Replaces* *4M1346*	6	D	10	80	-	-	1	2			
MH2283 Solidification Processing *Replaces* *4M1370*	6	D	36	24	-	-	1	2			
MH2300 Functional Materials *Replaces* *4H1609*	6	D	18	-	-	6			3		Study visit 8h
MH2301 Advanced Materials *Replaces* *4H1610*	6	C	18	-	-	6			3		Study visit 8h Seminars 18h
MH2350 Artificial Materials *Replaces* *4H1802*	6	D	20	4	-	6	1				

MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-		2			Project work Seminars 5 h Study visit
MJ1502 The Engineer and Sustainable Development	6	A	22	-	-	-	1				Seminars 5 h Project work Study visit
MJ2241 Introductory Airbreathing Propulsion *Replaces 4A1341*	6	C	21	24	-	8		2			
MJ2244 Airbreathing Propulsion, Intermediate Course I *Replaces 4A1344*	6	D	40	-	-	-			3	4	Project work 6h
MJ2246 Rocket Propulsion *Replaces 4A1346*	6	D	20	10	-	-				4	Project course 20 h Self study 20 h
MJ2247 Airbreathing Propulsion for High Speed Flight *Replaces 4A1347*	6	D	27	10	-	6				4	
MJ2405 Sustainable Power Generation *Replaces 4A1605*	9	D	50	30	-	12	1	2			
MJ2407 Sustainable Energy Utilisation *Replaces 4A1607*	9	D	-	-	72	16	1	2			
MJ2409 Applied Energy Technology - Project Course *Replaces 4A1609*	9	D	12	-	-	-			3	4	Project 78h
MJ2410 Energy Management *Replaces 4A1610*	6	D	50	-	-	-		2	3		
MJ2411 Renewable Energy Technology *Replaces 4A1611*	6	D	-	-	52	-	1				Study visit 8h

MJ2412 Renewable Energy Technology, Advanced Course *Replaces 4A1612 Conditionally elective for Power Generation. MJ2412 or MJ2427 has to be studied*	6	D	26	-	-	-			3		Study visit 4 h
MJ2413 Energy and Environment *Replaces 4A1613 Examinator: Björn Palm, Tel 790 7453*	6	D	50	-	-	-			3	4	Study visit 6h
MJ2420 Combustion Theory *Replaces 4A1620*	6	C	18	18	-	15	1	2			
MJ2421 Modelling of Thermodynamic Systems *Replaces 4A1621*	6	D	16	-	-	32	1	2	3	4	The course is given upon agreement
MJ2423 Applied Refrigeration and Heat Pump Technology *Replaces 4A1623 Mandatory for Energy Utilisation.*	6	D	24	24	-	16			3	4	
MJ2425 Cooling of Electronics *The course will not be given in 07/08. Replaces 4A1625*	6	D	-	-	48	-			3		

MJ2426 Applied Heat and Power Technology *Replaces 4A1626 Mandatory for Power Generation.*	6	D	36	12	-	8			3	4	Project assignment 8h
MJ2427 Applied Reactor Technology and Nuclear Power Safety *Replaces 4A1627 One of the courses MJ2412 och MJ2427 has to be studied.*	6	D	48	-	-	-			3	4	Study visits 12h
MJ2428 Advanced Nuclear Reactor Engineering *Replaces 4A1628*	6	D	42	-	-	-				4	Study visits 18h
MJ2429 Fluid Machinery *Replaces 4A1629*	6	C	30	18	-	12	1				
MJ2430 Thermal Fluid Machinery *REplaces 4A1630*	6	D	36	12	-	12			3	4	
MJ2620 Environmental Technology, Advanced Course	6	D	24	12	-	-				4	
MJ2630 Waste Management, Advanced Course *Replaces 3C1350*	6	D	18	-	-	-				4	Project work, Assignments, Study visit 4 halfdays
MJ2653 Environmental Consequences, Advanced Course II *Replaces 3C1365*	6	D	15	15	-	40	1	2			Field exercises
MJ2654 Biology *Replaces 3C1385*	6	C	21	3	-	3	1				Field exercise 8h

MJ2663 Environmental Management *Replaces* *3C1380*	6	C	10	-	-	-	1				Seminars 12 h
MJ2680 Environmental Systems Analysis *Replaces* *3C1387*	6	C	16	8	-	6		2			
SD2130 Signal Analysis *Replaces* *4B1164.*	8	D	-	-	26	8	1	2			Computer exercises 14 h. Written tests 4 h.
SD2145 Vibro-Acoustics *Replaces* *4B1162.*	11	D	-	-	64	-	1	2			
SD2155 Flow Acoustics *Replaces* *4B1136.*	6	D	-	48	-	8			3		
SD2165 Acoustical Measurements *Replaces* *4B1166.*	8	D	-	-	16	20	1	2			
SD2170 Energy Methods *Replaces* *4B1168.*	6	D	-	-	28	-				4	
SD2175 Numerical Methods for Acoustics and Vibration *Replaces* *4B1170.*	9	D	-	-	36	-			3		
SD2180 Non-linear Acoustics *Replaces* *4B1172,* *Not given* *07/08.*	6	D	-	-	28	-					
SD2185 Ultrasonics *Replaces* *4B1174.* *Not given* *07/08.*	6	D	-	-	24	-					

SD2190 Vehicle Acoustics and Vibration *Replaces 4B1176. Not given 07/08.*	6	D	-	-	24	-					
SD2224 Vehicle Systems for a Better Environment* *Replaces 4B1424. There are 50 places to be shared among universities engaged in this set of courses.*	8	C	26	20	-	8	1				
SD2228 Environmental Friendly Vehicle - Project Course* *Replaces 4B1428. Not given Spring 2008.*	8	D	10	20	-	-					Assignment work 40h Presentations 10h
SD2306 Railway Systems and Rail Vehicles *Replaces 4B1304.*	9	C	-	-	60	-	1	2			Project assignment 9h
SD2313 Rail Vehicle Dynamics *Replaces 4B1313.*	8	D	-	-	36	-			3		24 h Projektuppgift24 h Projektuppgift
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2414 Fiber Composites - Materials and Manufacturing *Replaces 4E1114.*	6	C	40	-	-	8			3	4	
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	

SD2600 Aircraft Performance Analysis *Replaces* *4E1235.*	6	D	40	18	-	-	1				
SD2605 Project in Aircraft Performance Analysis *Replaces* *4E1235.*	3	D	-	9	-	-		2			
SD2610 Computational Aerodynamics *Replaces* *4E1239.*	9	D	56	16	-	16			3	4	
SD2620 Advanced Topics in Aeronautics *Replaces* *4E1240.* *Not given* *07/08.*	6	D	14	14	-	-					
SD2701 Introduction to Naval Architecture *Replaces* *4E1401.*	8	C	-	-	-	-			3		
SD2800 Experimental Aerodynamics *Replaces* *4E1236.*	6	D	14	18	-	9		2			
SD2805 Flight Mechanics *Replaces* *4E1237.*	9	D	28	27	-	4			3	4	
SD2810 Aeroelasticity *Replaces* *4E1238.* *Not given* *07/08.*	9	D	40	27	-	4					
SE2116 Dynamic Problems in Solid Mechanics *Replaces* *4C1116.*	6	D	42	-	-	8		2	3		
SE2121 Introduction to Biomechanics *Replaces* *4C1121.*	9	C	48	-	-	8				4	
SE2122 Applied Solid Mechanics *Replaces* *4C1122.*	9	D	28	16	-	24	1	2			

SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work
SF2812 Applied Linear Optimization* *Replaces 5B1815.*	7,5	D	24	14	-	-	1				Project assignments
SF2822 Applied Nonlinear Optimization *Replaces 5B1817.*	7,5	D	24	14	-	-		2			Project assignments
SF2842 Geometric Control Theory *Replaces 5B1823.*	7,5	D	36	18	-	-		2			Homework assignments
SF2852 Optimal Control Theory *Replaces 5B1873.*	7,5	D	36	18	-	-			3		Homework assignments
SF2872 Mathematical Economics *Replaces 5B1852.* *Under bearbetning*	6	C	32	16	-	-		2			
SF2950 Applied Mathematical Statistics *Replaces 5B1550.*	7,5	D	-	-	60	-			3		
SF2955 Computer Intensive Methods in Mathematical Statistics *Replaces 5B1555.* *Given every second year*	7,5	D	-	-	48	-				4	
SF2974 Portfolio Theory and Risk Management *Replaces 5B1574.*	6	D	30	12	-	-	1				
SG2122 Continuum Mechanics *Replaces 5C1122* *Under bearbetning*	6	C	42	-	-	-	1				

SG2123 Mathematical Methods of Mechanics, General Course *Replaces 5C1123.*	6	D	36	-	-	-		2			
SG2125 Mathematical Methods of Mechanics, Intermediate Course *Ersätter 5C1125.* *Under bearbetning*	3	D	-	-	-	-			3		
SG2126 Nonlinear Dynamics in Mechanics *Replaces 5C1400.* *Under bearbetning*	7,5	C	24	-	-	-			3		
SG2211 Vehicle Aerodynamics *Replaces 5C1211.*	6	C	28	-	-	4				4	8 h Seminars8 h Seminars
SG2213 Applied Computational Fluid Dynamics *Replaces 5C1213.*	3	D	-	-	16	14				4	
SG2214 Fluid Mechanics *Under bearbetning*	7,5	C	-	30	30	3	1				
SG2218 Turbulence *Replaces 5C1218.*	7,5	D	-	-	36	3			3	4	
SG2860 FEM Modelling *Replaces 5C1860.*	8	D	33	-	-	-		2			33 h Workshop33 h Workshop
SH2310 Radiation Detectors and Medical Imaging Systems *Replaces 5A1414.*	7,5	D	24	-	-	15			3	4	6 h Seminars, 20 h Study visit6 h Seminars, 20 h Study visit
SH2311 Radiation Sources for Therapy *Replaces 5A1416.*	3	D	10	-	-	-				4	14 h Study visit14 h Study visit

SK2380 Technical Photography *Replaces 5A1590.*	8	A	28	-	-	30			3	4	

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Vehicle Engineering

Aerospace Engineering T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	

Aerospace Engineering T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2600 Aircraft Performance Analysis *Replaces 4E1235.*	6	D	40	18	-	-	1				
SD2605 Project in Aircraft Performance Analysis *Replaces 4E1235.*	3	D	-	9	-	-		2			
SD2610 Computational Aerodynamics *Replaces 4E1239.*	9	D	56	16	-	16			3	4	
SD2800 Experimental Aerodynamics *Replaces 4E1236.*	6	D	14	18	-	9		2			
SD2805 Flight Mechanics *Replaces 4E1237.*	9	D	28	27	-	4			3	4	
Recommended Courses											

DN2225 Numerical Solutions of Differential Equations *Replaces 2D1225.*	6	C	24	4	-	12	1	2			
EL1820 Modelling of Dynamical Systems *Replaces 2E1282*	6	A	24	24	-	12				4	
EL2520 Control Theory and Practice, Advanced Course *Replaces 2E1252*	7,5	D	28	26	-	10			3		
SD2615 Air Traffic Management and Modern Avionics	6	D	22	16	-	8	1				Project work
SD2620 Advanced Topics in Aeronautics *Replaces 4E1240. Not given 07/08.*	6	D	14	14	-	-					
SD2810 Aeroelasticity *Replaces 4E1238. Not given 07/08.*	9	D	40	27	-	4					
SD2815 Rocket Science	6	D	40	18	-	4			3		
SF2822 Applied Nonlinear Optimization *Replaces 5B1817.*	7,5	D	24	14	-	-		2			Project assignments
SG2215 Compressible Flow *Replaces 5C1215.*	7,5	D	-	-	52	9		2			

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Vehicle Engineering

Bio Based Materials and Products T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	
SD2500 Wood and Cellulose Materials *Replaces 4E1601.*	7	C	56	-	-	18			3	4	

Bio Based Materials and Products T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2505 Biomaterials and Products *Replaces 4E1112.*	7	C	56	-	-	18	1	2			
SD2510 Experimental Methods for Biobased Materials *Replaces 4E1604.*	7	D	12	-	-	72		2			
SD2515 Project -Biobased Materials and Products *Replaces 4E1603.*	15	D	-	-	336	-	1	2	3	4	
SE2127 Packaging Materials *Replaces 4C1127.*	7,5	D	36	-	-	12			3		
Elective Courses											
KF2280 Structure and Function of Biofibres*	7,5	D	28	-	-	14		2			

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Vehicle Engineering

Combustion Engineering T3

At least 18 cr have to be chosen among de conditionally elective courses during the fourth year, and at least 12 cr have to be from the same group.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Conditionally Elective Courses											
MF104X Degree Project in Vehicle Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h
MF109X Degree Project in Vehicle Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h
MF114X Degree Project in Vehicle Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	
MJ144X	15		-	-	-	-			3	4	
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	

Combustion Engineering T4

At least 18 cr have to be chosen among de conditionally elective courses during the fourth year, and at least 12 cr have to be from the same group.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
MF2017 Combustion Engines, Project Course *Replaces 4F1460 Open only for students with individual specialization of Combustion engines.*	9	D	-	-	18	-			3	4	
SD2222 Vehicle Components *Replaces 4B1422.*	8	D	30	30	-	-		2			
Conditionally Elective Courses											
MF1025 Model Based Product Development II *Replaces 4F1825 Group 1*	6	C	24	24	-	12	1				
MF1026 Model Based Product Development I *Group 1*	9	C	24	24	-	12	1	2			Project
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827 Group 2*	9	C	-	-	72	-	1	2			
MF2007 Dynamics and Motion Control *Replaces 4F1907 Group 2*	9	D	26	24	-	-	1				Workshop 12 h

MF2010 Component Design *Group 1*	6	C	12	16	-	2	1				
MF2014 Fluid Systems and Machines *Replaces 4F1343* *Group 1*	6	C	24	24	-	12	1	2			
MF2018 Tribology *Replaces 4F2018* *Group 1*	6	C	-	-	30	5		2			
MF2025 Project Work in Mechatronics* *Replaces 4F1141* *Limited attendance due to limited number of availible projects* *Group 3*	6	C	-	-	-	-	1	2	3	4	No scheduled hours
MJ2653 Environmental Consequences, Advanced Course II *Replaces 3C1365* *Group 3*	6	D	15	15	-	40	1	2			Field exercises
SD2150 Experimental Structure Dynamics, Project Course *Replaces 4B1132.* *Group 3*	9	D	-	36	24	8		2	3		

*The course has limited participation

Previous academic year (06/07)

Next academic year (08/09)

Vehicle Engineering

Ground Vehicle Engineering T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	

Ground Vehicle Engineering T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SG2211 Vehicle Aerodynamics *Replaces 5C1211.*	6	C	28	-	-	4				4	8 h Seminars8 h Seminars
Conditionally Elective Courses											
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
SD2222 Vehicle Components *Replaces 4B1422.*	8	D	30	30	-	-		2			
SD2225 Ground Vehicle Dynamics, Basic Course* *Replaces 4B1425.*	11	D	30	48	-	4			3	4	

SD2306 Railway Systems and Rail Vehicles *Replaces 4B1304.*	9	C	-	-	60	-	1	2			Project assignment 9h
SD2313 Rail Vehicle Dynamics *Replaces 4B1313.*	8	D	-	-	36	-			3		24 h Projektuppgift24 h Projektuppgift
Recommended Courses											
AF2901 Road- and railway Trach Engineering *Replaces 1L1913. (prior level C)*	7,5	A	33	44	-	-		2			
AH2026 Railway Traffic - Market and Planning, Basic Course *Replaces 1N1206. (prior level C)*	7,5	A	33	44	-	-	1				
EJ2400 Electric Traction *Replaces 2C1119* *Under bearbetning*	6	A	36	-	-	-				4	
EJ2410 Hybrid Vehicle Drives* *Replaces 2C1243*	7,5	A	-	-	-	-		2			3 course meetings. (LTH, CTH and KTH) Project work/ assignments in between the meetings.
EL2520 Control Theory and Practice, Advanced Course *Replaces 2E1252*	7,5	D	28	26	-	10			3		
ME2040 Human Factors Engineering *Replaces 4D1084. Examinor: Lena Mårtensson.* *Under bearbetning*	6	B	24	6	3	3			3		
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827*	9	C	-	-	72	-	1	2			
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
SD2150 Experimental Structure Dynamics, Project Course *Replaces 4B1132.*	9	D	-	36	24	8		2	3		

SD2190 Vehicle Acoustics and Vibration *Replaces 4B1176. Not given 07/08.*	6	D	-	-	24	-					
SD2228 Environmental Friendly Vehicle - Project Course* *Replaces 4B1428. Not given Spring 2008.*	8	D	10	20	-	-					Assignment work 40h Presentations 10h
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	
SD2625 Computational Road Vehicle Aerodynamics *Replaces 4E1245.*	3	D	10	-	-	14				4	

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Vehicle Engineering

Industrial Ecology T3

Can only be studied as an individual specalization

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	

Industrial Ecology T4

Can only be studied as an individual specalization

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MJ2611 Introduction Industrial Ecology *Replaces 3C1336*	6	C	12	-	-	-	1				Seminars 8 h Project Study visit 4 h
MJ2621 Environmental Technology, Advanced Course *Replaces 3C1341*	7,5	D	34	9	-	-	1				Project Seminars
MJ2663 Environmental Management *Replaces 3C1380*	6	C	10	-	-	-	1				Seminars 12 h
MJ2680 Environmental Systems Analysis *Replaces 3C1387*	6	C	16	8	-	6		2			
MJ2691 Technology and Sustainable Development *Replaces 3C1396*	6	C	8	9	-	-		2			
Recommended Courses											
MJ2630 Waste Management, Advanced Course *Replaces 3C1350*	6	D	18	-	-	-				4	Project work, Assignments, Study visit 4 halfdays

MJ2651 Ecology, Advanced Course *Replaces* *3C1356*	6	C	21	4	-	-			3	4	Field work 8h
MJ2653 Environmental Consequences, Advanced Course II *Replaces* *3C1365*	6	D	15	15	-	40	1	2			Field exercises
MJ2664 Environmental Management II, Advanced Course *Replaces* *3C1381*	6	D	8	6	-	-				4	Project
MJ2670 Risk Management *Replaces* *3C1383*	6	C	16	15	-	-	1				The course is given in Swedish in period 1 and in English in period 3.

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Vehicle Engineering

Integrated Product Development T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
HM1025 Ergonomics in Product Development	6	B	18	9	-	6		2			
ME1008 Work Organization and Leadership *Replaces 4D1075* *Examiner Matti Kaulio* *Under bearbetning*	6	B	24	24	-	-			3		
MF114X Degree Project in Vehicle Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	

Integrated Product Development T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods	Other

							1	2	3	4	
Compulsory Courses											
MF2001 Integrated Product Development, Advanced Course	30	D	-	180	-	-	1	2	3	4	
Recommended Courses											
ME2040 Human Factors Engineering *Replaces 4D1084. Examinor: Lena Mårtensson. Under bearbetning*	6	B	24	6	3	3			3		
ME2044 Human Resource Management *Replaces 4D1096. Examiner: Matti Kaulio. Under bearbetning*	6	B	28	12	-	-			3		
ME2045 Leading Organizational Change* *Replaces 4D1098 Under bearbetning*	6	C	-	8	-	-				4	36 h Seminars36 h Seminars
ME2046 Managing Risks in Complex Technical Systems *Replaces 4D1099. Not given 2007/08. Examiner: Lena Mårtensson. Under bearbetning*	6	C	12	-	-	-					18 h Seminars18 h Seminars
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827*	9	C	-	-	72	-	1	2			

MF2006 Innovative Design II *Replaces* *4F1906*	6	D	24	48	-	-	1				
MF2019 CAD 3D-modelling and Visualization *Replaces* *4F1541*	6	C	6	36	-	-				4	
MF2019 CAD 3D-modelling and Visualization* *Replaces* *4F1541*	6	C	6	36	-	-		2			
MF2021 Environmentally Adapted Product Design *Replaces* *4F1641 80%* *participation.*	6	C	-	-	42	-			3		
MF2022 Eco Design Project* *Replaces* *4F1643*	6	C	-	-	-	-	1	2	3	4	
MG1001 Manufacturing *Replaces* *4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces* *4G1165*	6	C	18	26	-	12			3		

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Vehicle Engineering

Lightweight Structures T3

Among the conditionally elective courses either SD2505+SD2450 or SD2432 have to be studied. SD2414 is compulsory for the student who has not studied SD2410.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	

Lightweight Structures T4

Among the conditionally elective courses either SD2505+SD2450 or SD2432 have to be studied. SD2414 is compulsory for the student who has not studied SD2410.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2413 Fibre Composites - Analysis and Design *Replaces 4E1113.*	6	D	52	-	-	6		2			
SD2415 Process Modelling for Composite Manufacturing *Replaces 4E1115. Not given 07/08.*	6	D	18	-	-	18					
SD2416 Structural Optimisation and Sandwich Design *Replaces 4E1116.*	6	D	40	-	-	18			3		
Conditionally Elective Courses											

SD2414 Fiber Composites - Materials and Manufacturing *Replaces 4E1114.*	6	C	40	-	-	8			3	4	
SD2432 Lightweight Design* *Replaces 4E1132.*	20	D	-	-	336	-	1	2	3	4	
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	
SD2505 Biomaterials and Products *Replaces 4E1112.*	7	C	56	-	-	18	1	2			

*The course has limited participation

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Vehicle Engineering

Machine Design T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MF104X Degree Project in Vehicle Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h
MF2018 Tribology *Replaces 4F2018*	6	C	-	-	30	5		2			
SE1128 Solid Mechanics for Machine Design *Replaces 4C1128.*	6	C	24	24	-	-				4	
Recommended Courses											
SE2119 Finite Element Method, Project Course *Replaces 4C1119. Given at request.*	3	D	-	-	-	-					

Machine Design T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MF2004 Advanced Machine Design	18	D	-	-	-	-		2	3	4	
MF2006 Innovative Design II *Replaces 4F1906*	6	D	24	48	-	-	1				
MF2010 Component Design	6	C	12	16	-	2	1				
MF2011 Systems Engineering Construction	9	D	-	-	32	8		2	3		
Recommended Courses											
HM1025 Ergonomics in Product Development	6	B	18	9	-	6		2			
MF1027 Microcomputers in Embedded Systems *Replaces 4F1827*	9	C	-	-	72	-	1	2			
MF2013 Introduction to Fluid Power *Replaces 4F1340*	6	C	24	24	-	9		2			
MF2015 Combustion Engines, general course* *Replaces 4F1430*	6	C	42	6	-	12	1				
MF2016 Combustion Engines, Advanced Course* *Replaces 4F1431.*	9	D	48	-	-	28		2	3		
MF2021 Environmentally Adapted Product Design *Replaces 4F1641 80% participation.*	6	C	-	-	42	-			3		
MF2022 Eco Design Project* *Replaces 4F1643*	6	C	-	-	-	-	1	2	3	4	

MF2024 Robust and Probabilistic Design *The course is given in spring term 2009.*	6	A	30	-	-	-					
MG1001 Manufacturing *Replaces 4G1169*	6	C	-	-	34	12		2			8 h Study visit8 h Study visit
MG1002 Automation Technology *Replaces 4G1165*	6	C	18	26	-	12			3		
SE2116 Dynamic Problems in Solid Mechanics *Replaces 4C1116.*	6	D	42	-	-	8		2	3		
SE2121 Introduction to Biomechanics *Replaces 4C1121.*	9	C	48	-	-	8				4	
SE2122 Applied Solid Mechanics *Replaces 4C1122.*	9	D	28	16	-	24	1	2			
SE2123 Testing Techniques in Solid Mechanics *Replaces 4C1123.*	6	D	24	-	-	24				4	
SE2125 Solid Mechanics Modelling for Design *Replaces 4C1125.*	9	D	60	-	-	12				4	
SE2126 Material Mechanics *Replaces 4C1126.*	9	D	60	-	-	15	1	2			
SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Vehicle Engineering

Mechanics T3

Al least 22,5 university credits of the conditionally elective courses have to be studied, and at least 15 university credits have to be on D-level.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	

Mechanics T4

Al least 22,5 university credits of the conditionally elective courses have to be studied, and at least 15 university credits have to be on D-level.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SG2150 Rigid Body Dynamics *Replaces 5C1150.*	7	D	-	30	-	-	1				
SG2214 Fluid Mechanics *Under bearbetning*	7,5	C	-	30	30	3	1				
Conditionally Elective Courses											
SG2122 Continuum Mechanics *Replaces 5C1122 Under bearbetning*	6	C	42	-	-	-	1				
SG2123 Mathematical Methods of Mechanics, General Course *Replaces 5C1123.*	6	D	36	-	-	-		2			
SG2125 Mathematical Methods of Mechanics, Intermediate Course *Ersätter 5C1125. Under bearbetning*	3	D	-	-	-	-			3		

SG2126 Nonlinear Dynamics in Mechanics *Replaces 5C1400.* *Under bearbetning*	7,5	C	24	-	-	-			3			
SG2151 Modern Multibody Dynamics *Replaces 5C1151.*	8	D	30	-	-	-		2				
SG2211 Vehicle Aerodynamics *Replaces 5C1211.*	6	C	28	-	-	4				4	8 h Seminars8 h Seminars	
SG2212 Computational Fluid Dynamics *Replaces 5C1212.*	7,5	D	-	-	50	10			3			
SG2213 Applied Computational Fluid Dynamics *Replaces 5C1213.*	3	D	-	-	16	14				4		
SG2215 Compressible Flow *Replaces 5C1215.*	7,5	D	-	-	52	9		2				
SG2218 Turbulence *Replaces 5C1218.*	7,5	D	-	-	36	3			3	4		
SG2219 Advanced Compressible Flows *Replaces 5C1219.*	7,5	D	-	-	48	-			3	4		
SG2221 Wave Motions and Hydrodynamic Stability *Replaces 5C1221.*	7,5	D	-	-	42	3		2				
SG2850 Finite Element Methods *Replaces 5C1850.*	7,5	D	33	-	-	-	1				33 h Workshop33 h Workshop	
SG2860 FEM Modelling *Replaces 5C1860.*	8	D	33	-	-	-		2			33 h Workshop33 h Workshop	
SG2870 Non - Linear Finite Element Methods	7	D	30	-	-	-		2				

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Vehicle Engineering

Mechatronics T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1321 Applied Programming and Computer Science *Replaces 2D1321.*	9	B	38	20	-	32		2	3		
MF1023 Basic Electrical Engineering, Part 2 *Replaces 4F1823*	3	B	6	6	-	10			3	4	
MF109X Degree Project in Vehicle Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h

Mechatronics T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MF2003 Mechatronics, Advanced Course *Replaces 4F1903*	18	D	-	-	-	-			3	4	
MF2007 Dynamics and Motion Control *Replaces 4F1907*	9	D	26	24	-	-	1				Workshop 12 h
MF2008 Embedded Control Systems *Replaces 4F1908*	9	D	12	18	-	30		2			
Conditionally Elective Courses											
MF204X Master's Project in Mechatronics	30	C	-	-	-	-					
MF209X Master Project in Mechatronics for doctorate students	30	C	-	-	-	-	1	2	3	4	8 h Seminars8 h Seminars

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Vehicle Engineering

Naval systems T3

At least 11 university credits have to be studied among the recommended courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	

Naval systems T4

At least 11 university credits have to be studied among the recommended courses.

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2411 Lightweight Structures and FEM *Replaces 4E1111.*	8	D	48	-	-	14	1				
SD2701 Introduction to Naval Architecture *Replaces 4E1401.*	8	C	-	-	-	-			3		
SD2702 Naval Design* *Replaces 4E1402. Primarily aimed for MSY students.*	20	D	-	336	-	-	1	2	3	4	
SD2703 Marine Dynamics *Replaces 4E1403.*	8	D	-	-	-	-	1	2			
SD2704 Hull Structural Design	5	D	-	-	-	-		2			
Recommended Courses											
EH2010 Management of Technology *Replaces 2C1224*	7,5	D	32	20	-	-	1				

SD2413 Fibre Composites - Analysis and Design *Replaces 4E1113.*	6	D	52	-	-	6		2			
SD2414 Fiber Composites - Materials and Manufacturing *Replaces 4E1114.*	6	C	40	-	-	8			3	4	
SD2416 Structural Optimisation and Sandwich Design *Replaces 4E1116.*	6	D	40	-	-	18			3		
SD2450 Biomechanics and Neuronics *Replaces 4E1150.*	6	D	34	-	-	8				4	
SG2212 Computational Fluid Dynamics *Replaces 5C1212.*	7,5	D	-	-	50	10			3		
SG2213 Applied Computational Fluid Dynamics *Replaces 5C1213.*	3	D	-	-	16	14				4	
SG2214 Fluid Mechanics *Under bearbetning*	7,5	C	-	30	30	3	1				
SG2221 Wave Motions and Hydrodynamic Stability *Replaces 5C1221.*	7,5	D	-	-	42	3		2			
SG2223 Fluid Mechanics *Replaces 5C1223.*	9	C	32	-	32	3			3	4	

*The course has limited participation

Previous academic year (06/07) Next academic year (08/09)

Vehicle Engineering

Solid Mechanics T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	

Solid Mechanics T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SE2122 Applied Solid Mechanics *Replaces 4C1122.*	9	D	28	16	-	24	1	2			
SE2126 Material Mechanics *Replaces 4C1126.*	9	D	60	-	-	15	1	2			
Conditionally Elective Courses											
SE2116 Dynamic Problems in Solid Mechanics *Replaces 4C1116.*	6	D	42	-	-	8		2	3		
SE2121 Introduction to Biomechanics *Replaces 4C1121.*	9	C	48	-	-	8				4	
SE2123 Testing Techniques in Solid Mechanics *Replaces 4C1123.*	6	D	24	-	-	24				4	
SE2125 Solid Mechanics Modelling for Design *Replaces 4C1125.*	9	D	60	-	-	12				4	

SE2127 Packaging Materials *Replaces 4C1127.*	7,5	D	36	-	-	12			3		
SE2129 Fracture Mechanics and Fatigue *Replaces 4C1111.*	9	D	48	-	-	4			3		2 written assignments, Project work

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Uppdaterad: 2004-11-10

Previous academic year (06/07) Next academic year (08/09)

Vehicle Engineering

Sound, Vibrations and Signals T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	

Sound, Vibrations and Signals T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SD2140 Vibro Acoustics *Replaces 4B1127.*	8	D	-	56	-	-	1	2			
SD2150 Experimental Structure Dynamics, Project Course *Replaces 4B1132.*	9	D	-	36	24	8		2	3		
SD2155 Flow Acoustics *Replaces 4B1136.*	6	D	-	48	-	8			3		
Recommended Courses											
SD2165 Acoustical Measurements *Replaces 4B1166.*	8	D	-	-	16	20	1	2			
SD2170 Energy Methods *Replaces 4B1168.*	6	D	-	-	28	-				4	
SD2175 Numerical Methods for Acoustics and Vibration *Replaces 4B1170.*	9	D	-	-	36	-			3		

SD2180 Non-linear Acoustics *Replaces 4B1172, Not given 07/08.*	6	D	-	-	28	-					
SD2185 Ultrasonics *Replaces 4B1174. Not given 07/08.*	6	D	-	-	24	-					
SD2190 Vehicle Acoustics and Vibration *Replaces 4B1176. Not given 07/08.*	6	D	-	-	24	-					

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Vehicle Engineering

Sustainable Energy Systems T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MJ1401 Heat Transfer *Replaces* *4A1601*	6	C	24	24	-	20		2			
MJ142X Degree Project in Vehicle Engineering (Bachelor of Science)	15	C	-	-	-	-			3	4	Seminars 20 h
MJ144X	15		-	-	-	-			3	4	

Sustainable Energy Systems T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
MJ2405 Sustainable Power Generation *Replaces* *4A1605*	9	D	50	30	-	12	1	2			
MJ2407 Sustainable Energy Utilisation *Replaces* *4A1607*	9	D	-	-	72	16	1	2			
MJ2409 Applied Energy Technology - Project Course *Replaces* *4A1609*	9	D	12	-	-	-			3	4	Project 78h
MJ2411 Renewable Energy Technology *Replaces* *4A1611*	6	D	-	-	52	-	1				Study visit 8h
Conditionally Elective Courses											

MJ2412 Renewable Energy Technology, Advanced Course *Replaces 4A1612 Conditionally elective for Power Generation. MJ2412 or MJ2427 has to be studied*	6	D	26	-	-	-			3		Study visit 4 h
MJ2422 Thermal Comfort and Indoor Climate *Replaces 4A1622 Mandatory for Energy Utilisation*	6	D	54	-	-	-			3	4	Study visits 6h
MJ2423 Applied Refrigeration and Heat Pump Technology *Replaces 4A1623 Mandatory for Energy Utilisation.*	6	D	24	24	-	16			3	4	
MJ2426 Applied Heat and Power Technology *Replaces 4A1626 Mandatory for Power Generation.*	6	D	36	12	-	8			3	4	Project assignment 8h
MJ2427 Applied Reactor Technology and Nuclear Power Safety *Replaces 4A1627 One of the courses MJ2412 och MJ2427 has to be studied.*	6	D	48	-	-	-			3	4	Study visits 12h
Elective Courses											
MJ2410 Energy Management *Replaces 4A1610*	6	D	50	-	-	-		2	3		
MJ2413 Energy and Environment *Replaces 4A1613 Examinator: Björn Palm, Tel 790 7453*	6	D	50	-	-	-			3	4	Study visit 6h
MJ2420 Combustion Theory *Replaces 4A1620*	6	C	18	18	-	15	1	2			
MJ2421 Modelling of Thermodynamic Systems *Replaces 4A1621*	6	D	16	-	-	32	1	2	3	4	The course is given upon agreement
MJ2424 Numerical Methods in Energy Technology *Replaces 4A1624*	6	D	24	12	-	12	1	2			

MJ2425 Cooling of Electronics *The course will not be given in 07/08. Replaces 4A1625*	6	D	-	-	48	-			3		
MJ2428 Advanced Nuclear Reactor Engineering *Replaces 4A1628*	6	D	42	-	-	-				4	Study visits 18h
MJ2429 Fluid Machinery *Replaces 4A1629*	6	C	30	18	-	12	1				
MJ2430 Thermal Fluid Machinery *REplaces 4A1630*	6	D	36	12	-	12			3	4	

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Uppdaterad: 2004-11-10

Previous academic year (06/07)

Next academic year (08/09)

Vehicle Engineering

Systems Engineering T3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
SA105X Degree Project in Vehicle Engineering (Bachelor of Science) *Under bearbetning*	15	C	-	-	-	-			3	4	

Systems Engineering T4

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods 1	2	3	4	Other
Compulsory Courses											
DD1321 Applied Programming and Computer Science *Replaces 2D1321.*	9	B	38	20	-	32		2	3		
ME1001 Industrial Economics and Management, Basic Course *Replaces 4D1400. Examiner: Thorolf Hedborg. Under bearbetning*	6	A	24	14	-	-		2			2 h Seminars2 h Seminars
SF2812 Applied Linear Optimization* *Replaces 5B1815.*	7,5	D	24	14	-	-	1				Project assignments
SF2862 Stochastic Decision Support Models *Replaces 5B1843. Under bearbetning*	7,5	D	36	18	-	-			3		Homework assignments

SF2867 Decision Support Methods - Project Course *Replaces 5B1847.*	7,5	D	12	6	-	-				4	Project assignments
SF2937 Reliability Theory *Replaces 5B1537.*	7,5	D	-	-	60	-	1				
Elective Courses											
AH2204 Advanced Transport Modelling *Replaces 1N1154. (prior level D)*	7,5	A	24	8	-	12				4	Seminar 6h
SF2822 Applied Nonlinear Optimization *Replaces 5B1817.*	7,5	D	24	14	-	-		2			Project assignments
SF2950 Applied Mathematical Statistics *Replaces 5B1550.*	7,5	D	-	-	60	-			3		
SF2974 Portfolio Theory and Risk Management *Replaces 5B1574.*	6	D	30	12	-	-	1				

*The course has limited participation

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