

## Mathematical Statistics

Course Code	Credits	Cycle	Programme	Language		Course Name	Links		10/11 sp4
				S.Ex. stud.			Footnote		
<a href="#">FMS180</a>	6	G2	<a href="#">C, D, E, F, I, Pi</a>	-	S	Markov Processes		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS086</a>	7.5	G2	<a href="#">B, K, N</a>	-	S	Mathematical Statistics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS140</a>	7.5	G2	<a href="#">W</a>	-	S	Mathematical Statistics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMSF10</a>	7.5	G2	<a href="#">C, D, E, F, I, L, M, MWIR</a>	X	E1	Stationary Stochastic Processes	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS150</a>	7.5	A	<a href="#">C, D, E, F, Pi</a>	X	E2	Statistical Image Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS065</a>	7.5	G2	<a href="#">C, Pi, RH</a>	-	E2	Statistical Methods for Safety Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS065</a>			<a href="#">V</a>						<i>Examinations only</i>
<a href="#">FMS012</a>	9	G2	<a href="#">I</a>	-	S	Mathematical Statistics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS012</a>			<a href="#">C, D</a>						
<a href="#">FMS012</a>			<a href="#">E</a>						
<a href="#">FMS012</a>			<a href="#">Pi</a>						
<a href="#">FMS012</a>			<a href="#">F</a>						1
<a href="#">FMS110</a>	7.5	A	<a href="#">D, E, I, Pi</a>	X	E1	Non-Linear Time Series Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS161</a>	7.5	A	<a href="#">D, E, I, Pi</a>	X	E1	Financial Statistics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMSF01</a>	3	G2	<a href="#">V</a>	-	S	Mathematical Statistics	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS032</a>	7.5	G2	<a href="#">L, Y</a>	-	S	Mathematical Statistics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS051</a>	7.5	A	<a href="#">C, D, E, F, I, Pi</a>	X	E2	Mathematical Statistics, Time Series Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMSN10</a>	7.5	A	<a href="#">E, Pi</a>	X	E1	Survival Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS091</a>	7.5	A	<a href="#">D, E, I, Pi</a>	X	E2	Monte Carlo and Empirical Methods for Stochastic Inference		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMSF05</a>	7.5	G2	<a href="#">E, I, Pi</a>	-	E2	Probability Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMS072</a>	7.5	G2	<a href="#">D, E, F, MWIR, N, Pi, W</a>	X	E2	Design of Experiments		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMSN05</a>	3	A	<a href="#">Pi</a>	X	E	International Project Course-Mathematical Modelling	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

Course Code	Credits	Cycle		Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	10/11 sp4
<a href="#">FMS035</a>	7.5	G2	<a href="#">M</a>		-	S	Mathematical Statistics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMS045</a>	6	G2	<a href="#">C</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">I</a> , <a href="#">Pi</a>		-	S	Stationary Stochastic Processes	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMS047</a>	3	A	<a href="#">D</a> , <a href="#">I</a> , <a href="#">Pi</a>		-	S	Stationary Stochastic Processes, Project Work	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMS155</a>	7.5	A	<a href="#">D</a> , <a href="#">E</a> , <a href="#">I</a> , <a href="#">Pi</a> , <a href="#">RH</a>		X	E2	Statistical Modelling of Extreme Values		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

[FMSF10](#) ([C](#), [D](#), [E](#), [I](#)) Stationary Stochastic Processes: *Endast en av kurserna [FMS045](#) och [FMSF10](#) får ingå i examen.*

[FMSF01](#) ([V](#)) Mathematical Statistics: *Kursen kan endast ingå i avkortad CIV.*

[FMSN05](#) ([Pi](#)) International Project Course-Mathematical Modelling: *Begränsat deltagarantal. Spec. ansökningsförfarande. Kursen går inte i läsperioden utan i augusti.*

[FMS045](#) ([C](#), [D](#), [E](#)) Stationary Stochastic Processes: *Endast en av kurserna [FMS045](#) och [FMSF10](#) får ingå i examen.*

[FMS045](#) ([I](#)) Stationary Stochastic Processes: *Kursen är obligatorisk i teknikprofilen Matematisk modellering för antagna H08. Kursen är också valfri på programmet.*

[FMS047](#) ([I](#)) Stationary Stochastic Processes, Project Work: *Kursen är obligatorisk i teknikprofilen Matematisk modellering för antagna H08. Kursen är också valfri på programmet.*

## Mathematics

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	10/11 sp4
				S.Ex. stud.					
<a href="#">FMA430</a>	6	G1	<a href="#">B, BI, K, L, N, V</a>	-	S	Calculus in Several Variables	<a href="#">KS KE U W</a>		
<a href="#">FMA430</a>			<a href="#">C, D</a>						
<a href="#">FMA430</a>			<a href="#">E, I</a>						
<a href="#">FMA430</a>			<a href="#">E, M, MD, W</a>						1
<a href="#">FMA170</a>	6	A	<a href="#">C, D, E, F, L, Pi</a>	X	E2	Image Analysis	<a href="#">KS KE U W</a>		
<a href="#">FMA661</a>	7.5	G2	<a href="#">IDA</a>	-	S	Probability Theory and Discrete Mathematics	<a href="#">KS KE U W</a>		
<a href="#">FMA415</a>	16.5	G1	<a href="#">BI</a>	-	S	Calculus in One Variable	<a href="#">KS KE U W</a>		
<a href="#">FMAA05</a>	15	G1	<a href="#">E, F, I, L, Pi, V, W</a>	-	S	Calculus in One Variable	<a href="#">KS KE U W</a>		
<a href="#">FMA260</a>	7.5	A	<a href="#">D, E, Pi</a>	X	E2	Functional Analysis and Harmonic Analysis	<a href="#">KS KE U W</a>		
<a href="#">FMA140</a>	6	A	<a href="#">D, E, I, Pi</a>	X	E2	Non-Linear Dynamical Systems	<a href="#">KS KE U W</a>		
<a href="#">FMA645</a>	13.5	G1	<a href="#">IBYA, IBYI, IBYV, IDA, IEA</a>	-	S	Calculus	<a href="#">KS KE U W</a>		
<a href="#">FMAA01</a>	15	G1	<a href="#">C, D, M, MD</a>	-	S	Calculus in One Variable	<a href="#">KS KE U W</a>		
<a href="#">FMAA01</a>			<a href="#">B, K, N</a>						1
<a href="#">FMA085</a>	4.5	G1	<a href="#">Pi</a>	-	S	Mathematical Communication	<a href="#">KS KE U W</a>		1
<a href="#">FMA175</a>	3	A	<a href="#">C, D, E, F, Pi</a>	X	E1	Image Analysis, Project	<a href="#">KS KE U W</a>		
<a href="#">FMA420</a>	6	G1	<a href="#">C, Pi, W</a>	-	S	Linear Algebra	<a href="#">KS KE U W</a>		
<a href="#">FMA420</a>			<a href="#">B, E, I, K, N</a>						
<a href="#">FMA420</a>			<a href="#">BI, E, L, V</a>						
<a href="#">FMA420</a>			<a href="#">D</a>						1

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				S.Ex. stud.					
<a href="#">FMA045</a>	4.5	G1	<a href="#">Pi</a>	-	S	Mathematical Modelling		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMA145</a>	3	A	<a href="#">D, E, I, Pi</a>	X	E1	Non-linear Dynamical Systems, Project		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMA051</a>	6	A	<a href="#">D, E, E, I, Pi</a>	X	E1	Optimization	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMA135</a>	6	G1	<a href="#">C, D, E, F, Pi</a>	X	E2	Geometry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMA421</a>	9	G1	<a href="#">M, MD</a>	-	S	Linear Algebra with Scientific Computation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMA250</a>	7.5	A	<a href="#">D, E, Pi</a>	X	E2	Partial Differential Equations with Distribution Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMAF10</a>	5	G2	<a href="#">B, C, D, K, L, M, W</a>	-	S	Applied Mathematics - Linear systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMA270</a>	6	A	<a href="#">C, D, E, E, Pi</a>	X	E2	Computer Vision		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMA240</a>	6	G2	<a href="#">D, E, E, I, Pi</a>	X	E2	Linear and Combinatorial Optimization		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMA111</a>	6	A	<a href="#">D, E, Pi</a>	-	S	Mathematical Structures		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMAF01</a>	7	G2	<a href="#">E, N, Pi</a>	-	S	Mathematics - Analytic Functions		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMAF01</a>			<a href="#">C, D, E, I</a>				X		
<a href="#">FMA190</a>	6	A	<a href="#">C, D, E, F, Pi</a>	X	E2	Algebra	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMA021</a>	7.5	A	<a href="#">E, E, M, Pi</a>	-	S	Applied Mathematics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMAN01</a>	7.5	A	<a href="#">E, F, Pi, W</a>	X	E2	Biomathematics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMA435</a>	7.5	G1	<a href="#">Pi</a>	-	S	Calculus in Several Variables		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links		10/11 sp4
				S.Ex. stud.						
<a href="#">EMA200</a>	6	A	<a href="#">D, E, E, Pi</a>	X	E2	Calculus of Variations	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	
<a href="#">EMA120</a>	6	A	<a href="#">C, D, E, E, I</a>	X	E1	Matrix Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	
<a href="#">EMA120</a>			<a href="#">Pi</a>							
<a href="#">EMAF15</a>	7.5	G2	<a href="#">M, W</a>	-	S	Applied Mathematics - Partial Differential Equations		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	
<a href="#">EMA023</a>	3	A	<a href="#">E, Pi</a>	-	E1	Applied Mathematics, Project	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	
<a href="#">EMA272</a>	3	A	<a href="#">C, D, E, E, Pi</a>	X	E1	Computer Vision, Project		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	
<a href="#">EMA091</a>	6	G1	<a href="#">C, D, E, E, Pi</a>	-	S	Discrete Mathematics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	
<a href="#">EMAF05</a>	7	G2	<a href="#">E, N, Pi</a>	-	S	Mathematics - Systems and Transforms		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		
<a href="#">EMAF05</a>			<a href="#">C, D, E, I</a>				X		1	

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	10/11 sp4
<a href="#">FMA656</a>	4.5	G1	<a href="#">IBYA</a> , <a href="#">IBYL</a> , <a href="#">IBYV</a> , <a href="#">IDA</a> , <a href="#">IEA</a>	-	S	Mathematics, Linear Algebra		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMA125</a>	3	A	<a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a>	-	E1	Matrix Theory, Project		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMA125</a>			<a href="#">Pi</a>						

[FMA051](#) (I) Optimization: *Kursen är obligatorisk i teknikprofilen Matematisk modellering för antagna H08. Kursen är också valfri på programmet.*

[FMAF10](#) (C) Applied Mathematics - Linear systems: *Endast en av kurserna [FMAF05](#) och [FMAF10](#) får ingå i examen.*

[FMAF10](#) (D) Applied Mathematics - Linear systems: *Kan bytas mot kurserna [FMAF01](#) samt [FMAF05](#) (Båda måste läsas). Kontakta studievägledare för mer information. Kurserna [FMAF10](#) och [FMAF05](#) kan inte samtidigt ingå i examen.*

[FMAF01](#) (D) Mathematics - Analytic Functions: *Kan tillsammans med [FMAF05](#) läsas i stället för [FMAF10](#). Kontakta programledare eller studievägledare för mer information. Ges också som valfri kurs i årskurs 4.*

[FMA190](#) (E) Algebra: *Kursen ges vartannat läsår.*

[FMA200](#) (E) Calculus of Variations: *Kursen ges vartannat läsår.*

[FMA023](#) (E, Pi) Applied Mathematics, Project: *Kursen fortsätter med ett redovisningstillfälle hösten 2010.*

[FMAF05](#) (C) Mathematics - Systems and Transforms: *Endast en av kurserna [FMAF05](#) och [FMAF10](#) får ingå i examen.*

[FMAF05](#) (D) Mathematics - Systems and Transforms: *Kan tillsammans med [FMAF01](#) läsas i stället för [FMAF10](#). Kontakta programledare eller studievägledare för mer information. Endast en av kurserna [FMAF05](#) och [FMAF10](#) får ingå i examen.*

## Numerical Analysis

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language		Course Name	Footnote	Links	
<a href="#">FMNN01</a>	7.5	A	<a href="#">E, Pi</a>	X	E		Numerical Linear Algebra		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMN100</a>	6	A	<a href="#">C, D, E, F</a>	X	E1		Numerical Methods in CAGD		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMNN05</a>	7.5	A	<a href="#">D, E, Pi</a>	X	E1		Simulation Tools		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMN091</a>	7.5	A	<a href="#">E, Pi</a>	X	E1		Finite Volume Methods	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMNN10</a>	8	A	<a href="#">E, I, Pi</a>	X	E1		Numerical Methods for Differential Equations		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMN140</a>	6	G2	<a href="#">V</a>	-	S		Scientific Computing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	
<a href="#">FMNN15</a>	4	A	<a href="#">E, Pi</a>	X	E1		Multigrid Methods for Differential Equations		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>	
<a href="#">FMN011</a>	6	G2	<a href="#">C, D</a>	X	E1		Numerical Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMN050</a>	6	G2	<a href="#">E, I</a>	X	E1		Numerical Analysis	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1
<a href="#">FMNF01</a>	7.5	G2	<a href="#">M</a>	X	E1		Numerical Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1

[FMN091](#) (E, Pi) Finite Volume Methods: *Kursen ges vartannat läsår.*

[FMN050](#) (I) Numerical Analysis: *Kursen är obligatorisk i teknikprofilen Matematisk modellering för antagna H08. Kursen är också valfri på programmet.*



## Degree Projects of the Department

The list contains the degree projects which are given by the department and which programme each degree project is included in.

### Links

Course Code	Credits	Programme	Course Name	Links
FMS820	30	<a href="#">C</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">I</a> , <a href="#">Pi</a> , <a href="#">RH</a>	Degree Project in Mathematical Statistics for Engineers	<a href="#">KS</a> <a href="#">U</a>
FMA820	30	<a href="#">C</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">I</a> , <a href="#">M</a> , <a href="#">Pi</a>	Degree Project in Mathematics for Engineers	<a href="#">KS</a> <a href="#">U</a> <a href="#">W</a>
FMN820	30	<a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">I</a> , <a href="#">M</a> , <a href="#">Pi</a>	Degree Project in Numerical Analysis	<a href="#">KS</a> <a href="#">U</a> <a href="#">W</a>