

## Mathematical Statistics

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links				
				S.Ex. stud.				07/08 sp1	07/08 sp2	07/08 sp3	07/08 sp4	
<a href="#">EMS072</a>	7.5	G2	<a href="#">MWIR</a>	X	E2	Design of Experiments	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1			
<a href="#">EMS072</a>			<a href="#">D, E, F, M, N, Pi, V</a>				X		Course on hold			
<a href="#">EMS086</a>	7.5	G2	<a href="#">B, K</a>	-	S	Mathematical Statistics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1			
<a href="#">EMS601</a>	4.5	G1	<a href="#">IBYA, IBYI, IBYV</a>	-	S	Mathematical Statistics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1			
<a href="#">EMS035</a>	7.5	G2	<a href="#">M, MD</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="#">EMS140</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>	1			
<a href="#">EMS091</a>	7.5	A	<a href="#">D, E, F, 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>	1			
<a href="#">EMSF01</a>	3	G2	<a href="#">M, Y</a>	-	S	Mathematical Statistics	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>	1	2		

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links					
				S.Ex. stud.				07/08 sp1	07/08 sp2	07/08 sp3	07/08 sp4		
<a href="#">EMSF01</a>							X			3	4		
<a href="#">EMS032</a>	7.5	G2	L	-	S	Mathematical Statistics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	2			
<a href="#">EMS032</a>			V								3	4	
<a href="#">EMS110</a>	7.5	A	D, E, F, I, Pi	X	E1	Non-Linear Time Series Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	2			
<a href="#">EMS160</a>	4.5	A	Pi	-	E1	Statistical Genetics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		2			
<a href="#">EMS150</a>	7.5	A	C, D, E, F, L, Pi	X	E2	Statistical Image Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		2			
<a href="#">EMS155</a>	7.5	A	D, E, I, Pi	X	E2	Statistical Modelling of Extreme Values		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		2			



Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								07/08 sp1	07/08 sp2	07/08 sp3	07/08 sp4
<a href="#">FMS051</a>	7.5	A	<a href="#">C</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">I</a> , <a href="#">L</a> , <a href="#">Pi</a>	-	S	Mathematical Statistics, Time Series Analysis	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>				4
<a href="#">FMS047</a>	3	A	<a href="#">E</a> , <a href="#">I</a> , <a href="#">Pi</a>	-	S	Stationary Stochastic Processes, Project Work	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>				4
<a href="#">FMS065</a>	7.5	G2	<a href="#">C</a> , <a href="#">M</a> , <a href="#">N</a> , <a href="#">Pi</a> , <a href="#">RH</a> , <a href="#">V</a>	-	E2	Statistical Methods for Safety Analysis	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>				4

- [FMS072](#) ([D](#), [E](#), [E](#), [M](#), [MWIR](#), [N](#), [Pi](#), [V](#)) Design of Experiments: *Periodiserad. Ges nästa gång ht 2008.*
- [FMSF01](#) ([M](#)) Mathematical Statistics: *Kursen kan endast ingå i TMALY (avkortad CIM). Kursen ges två gånger om året.*
- [FMSF01](#) ([V](#)) Mathematical Statistics: *Kursen ingår endast i TVOLY. Kursen ges två gånger om året.*
- [FMS170](#) ([B](#)) Valuation of Derivative Assets: *Obligatorisk inom INEK i fördjupningskedjan Finansiering och risk.*
- [FMS161](#) ([B](#)) Financial Statistics: *Obligatorisk inom INEK i fördjupningskedjan Finansiering och risk.*

## Mathematics

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links				
				S.Ex. stud.				07/08 sp1	07/08 sp2	07/08 sp3	07/08 sp4	
<a href="#">EMA280</a>	7.5	G2	<a href="#">E, E, I, N, Pi</a>	-	S	Analytic Functions	X	<a href="#">KS KE U W</a>	1			
<a href="#">EMA430</a>	6	G1	<a href="#">B, BI, K</a>	-	S	Calculus in Several Variables		<a href="#">KS KE U W</a>	1			
<a href="#">EMA430</a>			<a href="#">V</a>							2		
<a href="#">EMA430</a>			<a href="#">E, I, M, MD</a>								3	
<a href="#">EMA430</a>			<a href="#">E, L, W</a>									4
<a href="#">EMA430</a>			<a href="#">N</a>						<i>Examinations only</i>			
<a href="#">EMA037</a>	6	G2	<a href="#">D, E, E, M, N, V</a>	-	S	Complex Analysis	X	<a href="#">KS KE U W</a>	1			
<a href="#">EMA170</a>	6	A	<a href="#">C, D, E, F, L, Pi</a>	X	E2	Image Analysis		<a href="#">KS KE U W</a>	1			

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								07/08 sp1	07/08 sp2	07/08 sp3	07/08 sp4
<a href="#">EMA051</a>	6	A	<a href="#">D, E, F, I, Pi</a>	X	E1	Optimization	<a href="#">KS KE U W</a>	1			
<a href="#">EMA661</a>	7.5	G2	<a href="#">IDA</a>	-	S	Probability Theory and Discrete Mathematics	<a href="#">KS KE U W</a>	1			
<a href="#">EMA415</a>	16.5	G1	<a href="#">BI</a>	-	S	Calculus in One Variable	<a href="#">KS KE U W</a>	1	2		
<a href="#">EMAA05</a>	15	G1	<a href="#">E, F, I, L, M, MD, Pi, Y, W</a>	-	S	Calculus in One Variable	<a href="#">KS KE U W</a>	1	2		
<a href="#">EMA260</a>	7.5	A	<a href="#">D, E, F, Pi</a>	X	E2	Functional Analysis and Harmonic Analysis	<a href="#">KS KE U W</a>	1	2		
<a href="#">EMA140</a>	6	A	<a href="#">D, E, F, I, Pi</a>	X	E2	Non-Linear Dynamical Systems	<a href="#">KS KE U W</a>	1	2		
<a href="#">EMA645</a>	13.5	G1	<a href="#">IBYA, IBYI, IBYV, IDA</a>	-	S	Calculus	<a href="#">KS KE U W</a>	1	2	3	

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								07/08 sp1	07/08 sp2	07/08 sp3	07/08 sp4
<a href="#">EMA085</a>	4.5	G1	<a href="#">N</a> , <a href="#">Pi</a>	-	S	Mathematical Communication	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	2	3	
<a href="#">EMAA01</a>	15	G1	<a href="#">C</a> , <a href="#">D</a>	-	S	Calculus in One Variable	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1	2	3	
<a href="#">EMAA01</a>			<a href="#">B</a> , <a href="#">K</a> , <a href="#">N</a>					1	-	3	4
<a href="#">EMA025</a>	7.5	G1	<a href="#">C</a>	-	S	Calculus in Several Variables	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		2		
<a href="#">EMA175</a>	3	A	<a href="#">C</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">Pi</a>	X	E1	Image Analysis, Project	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>		2		
<a href="#">EMA420</a>	6	G1	<a href="#">C</a> , <a href="#">Pi</a> , <a href="#">W</a>	-	S	Linear Algebra	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>	1			
<a href="#">EMA420</a>			<a href="#">B</a> , <a href="#">E</a> , <a href="#">I</a> , <a href="#">K</a> , <a href="#">N</a>						2		



Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links			
				S.Ex. stud.				07/08 sp1	07/08 sp2	07/08 sp3	07/08 sp4
<a href="#">EMA420</a>			<a href="#">BI, E, L, V</a>							3	
<a href="#">EMA420</a>			<a href="#">D</a>								4
<a href="#">EMA421</a>	9	G1	<a href="#">M, MD</a>	-	S	Linear Algebra with Scientific Computation	<a href="#">KS KE U W</a>		2		
<a href="#">EMA045</a>	4.5	G1	<a href="#">Pi</a>	-	S	Mathematical Modelling	<a href="#">KS KE U W</a>		2		
<a href="#">EMA145</a>	3	A	<a href="#">D, E, E, I, Pi</a>	X	E1	Non-linear Dynamical Systems, Project	<a href="#">KS KE U W</a>		2		
<a href="#">EMA450</a>	7.5	G2	<a href="#">E, I, N, Pi</a>	-	S	Systems and Transforms	X <a href="#">KS KE U W</a>		2		
<a href="#">EMA135</a>	6	G1	<a href="#">C, D, E, E, Pi</a>	X	E2	Geometry	<a href="#">KS KE U W</a>		2	3	

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links						
								07/08 sp1	07/08 sp2	07/08 sp3	07/08 sp4			
<a href="#">EMA030</a>	9	G2	<a href="#">C, D, L</a>	-	S	Linear Analysis	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	2	3	
<a href="#">EMA250</a>	7.5	A	<a href="#">D, E, F, 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>	2	3	
<a href="#">EMA270</a>	6	A	<a href="#">C, D, E, F, Pi</a>	X	E2	Computer Vision		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>		3	
<a href="#">EMA036</a>	7.5	G2	<a href="#">E, N, V</a>	-	S	Linear Analysis	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	2		
<a href="#">EMA036</a>			<a href="#">C, D, E, M</a>				X						3	
<a href="#">EMA240</a>	6	G2	<a href="#">D, E, F, 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>		3	
<a href="#">EMA111</a>	6	A	<a href="#">D, E, F, Pi</a>	-	S	Mathematical Structures		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>		3	





[FMA280](#) (E) Analytic Functions: *Kurserna [FMA037](#) Komplex analys och [FMA280](#) Funktionsteori är alternativobligatoriska. Endast en av kurserna får ingå i examen.*

[FMA280](#) (N) Analytic Functions: *Endast en av kurserna [FMA037](#) Komplex analys och [FMA280](#) Funktionsteori får ingå i examen.*

[FMA037](#) (D) Complex Analysis: *Alternativobligatorisk. Antingen måste [FMA030](#) Linjär analys eller både [FMA036](#) Linjär analys och [FMA037](#) Komplex analys ingå i examen.*

[FMA037](#) (E) Complex Analysis: *Kurserna [FMA037](#) Komplex analys och [FMA280](#) Funktionsteori är alternativobligatoriska. Endast en av kurserna får ingå i examen.*

[FMA037](#) (F) Complex Analysis: *Kan bytas mot [FMA280](#) Funktionsteori.*

[FMA037](#) (N) Complex Analysis: *Endast en av kurserna [FMA037](#) Komplex analys och [FMA280](#) Funktionsteori får ingå i examen.*

[FMA450](#) (N) Systems and Transforms: *Endast en av kurserna [FMA036](#) Linjär analys och [FMA450](#) System och transformeringer får ingå i examen.*

[FMA030](#) (D) Linear Analysis: *Alternativobligatorisk. Antingen måste [FMA030](#) Linjär analys eller både [FMA036](#) Linjär analys och [FMA037](#) Komplex analys ingå i examen.*

[FMA036](#) (D) Linear Analysis: *Alternativobligatorisk. Antingen måste [FMA030](#) Linjär analys eller både [FMA036](#) Linjär analys och [FMA037](#) Komplex analys ingå i examen.*

[FMA036](#) (F) Linear Analysis: *Kan bytas mot [FMA450](#) System och transformeringer.*

[FMA036](#) (N) Linear Analysis: *Endast en av kurserna [FMA036](#) Linjär analys och [FMA450](#) System och transformeringer får ingå i examen.*

[FMA021](#) (E, F, N) Applied Mathematics: *Endast en av kurserna [FMA021](#) Kontinuerliga system respektive [FMA022](#) Kontinuerliga system, allmän kurs får ingå i examen.*

[FMA435](#) (M) Calculus in Several Variables: *[FMA435](#) Flerdimensionell analys med vektoranalys samt i åk 2 och 3 [FMA036](#) Linjär analys och [FMA037](#) Komplex analys för den som önskar större kurs i matematik. Övriga läser [FMA430](#).*

[FMA022](#) (E, N) Applied Mathematics: *Endast en av kurserna [FMA021](#) Kontinuerliga system respektive [FMA022](#) Kontinuerliga system, allmän kurs får ingå i examen.*

[FMA022](#) (F) Applied Mathematics: *Kan bytas mot [FMA021](#) Kontinuerliga system.*

[FMA023](#) (E, N, Pi) Applied Mathematics, Project: *Kursen fortsätter med ett redovisningstillfälle hösten 2008.*

## Numerical Analysis

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	07/08	07/08	07/08	07/08
									sp1	sp2	sp3	sp4
<a href="#">FMN135</a>	7.5	A	<a href="#">E, F, M, Pi</a>	X	E1	Adaptive Methods for Differential Equations	<a href="#">KS KE U W</a>	1				
<a href="#">FMNN01</a>	7.5	A	<a href="#">E, F, M, Pi</a>	X	E	Numerical Linear Algebra	<a href="#">KS KE U W</a>	1				
<a href="#">FMN100</a>	6	A	<a href="#">C, D, E, F, L</a>	X	E1	Numerical Methods in CAGD	<a href="#">KS KE U W</a>	1				
<a href="#">FMN145</a>	4.5	A	<a href="#">D, E, F, M, Pi</a>	X	E1	Simulation Tools	<a href="#">KS KE U W</a>	1				
<a href="#">FMN130</a>	7.5	A	<a href="#">B, F, I, K, Pi</a>	X	E1	Numerical Methods for Differential Equations	<a href="#">KS KE U W</a>		2			
<a href="#">FMN081</a>	7.5	G2	<a href="#">M, Y</a>	X	E1	Numerical Methods in Mechanics	<a href="#">KS KE U W</a>			3		
<a href="#">FMN041</a>	6	G2	<a href="#">E, Y</a>	X	E1	Numerical Methods in Physics and Engineering	<a href="#">KS KE U W</a>			3		

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								07/08 sp1	07/08 sp2	07/08 sp3	07/08 sp4
<a href="#">EMN140</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>			3	4
<a href="#">EMN011</a>	6	G2	<a href="#">C, D, L</a>	X	E1	Numerical Analysis	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>				4
<a href="#">EMN050</a>	6	G2	<a href="#">E, I</a>	X	E1	Numerical Analysis	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>				4
<a href="#">EMN110</a>	7.5	A	<a href="#">E, M, Pi</a>	X	E1	Numerical Methods in Multibody Dynamics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>				4

## 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="#">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="#">U</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="#">U</a> <a href="#">W</a>