

Course Catalogue Autumn semester 2019

Courses in English available to exchange students (please note that changes due to application numbers may occur)

Normal study pace is 30 ECTS credits/semester

Autumn Period 1: 2019-09-02--2019-11-10

Autumn Period 2: 2019-11-11--2020-01-19

Level (first/second cycle)	Course	ECTS credits	Period	Date	Course code
	Biology				
First	Alpine Ecology	7,5	1	2019-09-02--2019-11-10	BI304A
First	Aquatic Ecosystems in Nordic Countries	7,5	1	2019-09-02--2019-11-10	BI302A
First	Boreal Forest Ecology	7,5	2	2019-11-11--2020-01-19	BI301A
First	Sustainability in Nordic Ecosystems	7,5	2	2019-11-11--2020-01-19	BI303A
	Business Administration				
First	Bachelor Thesis in Business Administration	15	1	2019-09-02--2019-11-10	FEG304
First	Brand Management C	7,5	2	2019-11-11--2020-01-19	FEG343
First	Financial Management C	7,5	1	2019-09-02--2019-11-10	FEG322
First	Project Management C	7,5	1	2019-0-902--2019-11-10	FEG311
First	Services Marketing C	7,5	2	2019-11-11--2020-01-19	FEG344
First	Leadership and organization C	7,5	1	2019-09-02--2019-11-10	FEG310
First	Strategic Marketing C	7,5	1	2019-09-02--2019-11-10	FEG341
Second /Advanced	Advanced Management	7,5	1	2019-09-02--2019-11-10	FEA240
Second	Comparative Management Culture	7,5	1	2019-09-02--2019-11-10	FEA230
Second	Customer Relationship Management	7,5	2	2019-11-11--2020-01-19	FEA210
Second	Emerging Markets	7,5	1	2019-09-02--2019-11-10	FEA270
Second	International Business Strategy	7,5	1	2019-09-02--2019-11-10	FEA250
Second	Leadership and Gender	7,5	1	2019-09-02--2019-11-10	FEA260
Second	Marketing Theories	7,5	2	2019-11-11--2020-01-19	FEA220
Second	Master Thesis in Business Administration	15	1	2019-09-02--2019-11-10	FEA800
	Energy Systems				
Second	Applied Computational Fluid Mechanics	7,5	2	2019-11-11--2020-01-19	ETA324
Second	Building Energy Systems	6	2	2019-11-11--2020-01-19	ETA318
Second	Energy Resources	6	1-2	2019-09-02--2020-01-19	ETA002
Second	Energy Resources (IT-distance)	7,5	1-2	2019-09-02--2020-01-19	ETA004
Second	Energy Systems	6	1	2019-09-02--2019-11-10	ETA000
Second	Energy Systems (IT-distance)	6	1	2019-09-02--2019-11-10	ETA00
Second	Energy Utilization in Buildings (IT-distance)	9	2	2019-11-11--2020-01-19	ETA311
Second	Heat and Power Generation	6	1	2019-09-02--2019-11-10	ETA001
Second	Indoor Environment	6	2	2019-11-11--2020-01-19	ME555C
Second	Measurement Techniques for Building Energy and Indoor Climate	7,5	1	2019-09-02--2019-11-10	ME556D
Second	Sustainable Cities	6	2	2019-11-11--2020-01-19	ETA319
Second	Applied Thermodynamics and Fluid Mechanics (IT-distance)	15	1,2	2019-09-02--2020-01-19	ETG508
Second	Fluid Mechanics (IT-distance)	6	1	2019-09-02--2019-11-10	ETG306
Second	Sustainable Power Generation (IT-distance)	7,5	1	2019-09-02--2019-11-10	ETA003
Second	Energy Resources (IT-distance)	7,5	1,2	2019-09-02--2020-01-19	ETA004
Second	Simulation and Optimisation for Building Environment (IT-distance)	7,5	1	2019-09-01--2019-11-10	ME549D

Electronics					
First	Applied Mechanics II	7,5	1	2019-09-02 -- 2019-11-10	FYG500
First	RF Measurement Technology	7,5	1	2019-11-11 -- 2020-01-19	EEG503
Second	Active Microwave Devices	7,5	1	2019-09-02 -- 2019-11-10	EEA306
Second	Advanced Digital Control Systems	7,5	1	2019-09-02 -- 2019-11-10	EEA303
Second	Advanced Digital Control Systems (online)	7,5	2	2019-11-11 -- 2020-01-19	EEA303
Second	Computerized Image Processing and Machine Vision	7,5	1	2019-09-02 -- 2019-11-10	EEA308
Second	Modulation and Coding	7,5	1	2019-09-02 -- 2019-11-10	EEA309
Second	Multivariable and Nonlinear Control Systems (online)	7,5	2	2019-11-11 -- 2020-01-19	EEA301
Second	Multivariable and Nonlinear Control Systems	7,5	2	2019-11-11 -- 2020-01-19	EEA301
Second	Radio Systems	7,5	2	2019-11-11 -- 2020-01-19	EE430D
Second	Robotics	7,5	2	2019-11-11 -- 2020-01-19	EEA304
Second	Sensors and Measurement Technology (online)	7,5	1	2019-09-02 -- 2019-11-10	EEA002
Second	Statistical Signal Processing (online)	7,5	1	2019-09-02 -- 2019-11-10	EE444D
Second	Statistical Signal Processing	7,5	1	2019-09-02 -- 2019-11-10	EE444D
Geomatics/geography/spatial planning					
First	Physical Geography	7,5	1	2019-09-02 -- 2019-11-10	SBG352
First	GIS raster/vector	7,5	1	2019-09-02 -- 2019-11-10	SBG382
First	Geovisualisation of the built environment	7,5	2	2019-11-11 -- 2020-01-19	SBG131
First	Urban studies	7,5	2	2019-11-11 -- 2020-01-19	SBG513
First	Remote Sensing and GIS Analysis in Land Management	7,5	2	2019-11-11 -- 2020-01-19	SB281C
Second	Introduction to Studies on Advanced Level in Geospatial Information Science	5	1	2019-09-02 -- 2019-11-10	SBG612
Second	Thematic and Web Cartography	5	1	2019-09-02 -- 2019-11-10	SBG622
Second	GIS Data Structures and Algorithms	5	1	2019-09-02 -- 2019-11-10	SBG632
Second	Geodesign and Scenario Planning	5	1	2019-09-02 -- 2019-11-10	SBA054
Second	GIS Organisation and Project Management	5	1	2019-09-02 -- 2019-11-10	SBA315
Second	Risk Modelling, Mapping and Geovisualisation	5	1	2019-09-02 -- 2019-11-10	SBA325
Second	Remote Sensing	5	2	2019-11-11 -- 2020-01-19	SBA014
Second	Satellite Sensors and their Applications in Geoscience	5	2	2019-11-11 -- 2020-01-19	SBA034
Second	Spatial analysis for planning	5	2	2019-11-11 -- 2020-01-19	SBA064
Second	Programming and Scripting for GIS	5	2	2019-11-11 -- 2020-01-19	DVG510
Second	Individual Project Course in Geospatial Information Science	5	2	2019-11-11 -- 2020-01-19	SBA335
Second	Advanced Geospatial Data Visualization	5	2	2019-11-11 -- 2020-01-19	DVA305
Logistics and Innovation					
Second	Innovation Management and Processes	6	2	2019-11-11--2020-01-19	IEA011
Second	Introduction to Industrial Management at Advanced Level	3	1	2019-09-02--2019-10-27	IEA007
Second	Reliability, Maintainability and Safety Engineering	6	1	2019-09-02--2019-10-27	IEA009
Second	Scientific Methods for Industrial Engineering and Management	6	2-3	2019-11-11--2020-03-29	IEA012
Second	Simulation Technique for Logistic Systems	6	2	2019-11-11--2020-01-19	IEA013
Second	Strategies and Principles for Effective Logistics Management	6	1	2019-09-02--2019-10-27	IEA008
Teacher Education					
First	English 1-30 , campus 100%	30	1-2	2019-09-02--2020-01-19	ENG019
First	English 31-60, distance 50%	30	1-4	2019-09-02--2020-06-07	ENG308
First	English for Teachers in secondary Education 1-30, campus 100%	30	1-2	2019-09-02--2020-01-19	ENG018
First	English for Upper Secondary School Teachers 61-90, campus 100%	30	1-2	2019-09-02 -- 2020-01-19	ENG803
Social Work					

First	Field Studies in Social Work	7,5	1	2019-09-02--2019-11-10	SAG314
First	Social Work and Social Problems	15	1	2019-09-02--2019-11-10	SAG030
First	International social work	7,5	1	2019-09-02--2019-11-10	SAA012
First	Children and Families in Vulnerable Life Conditions	15	1	2019-10-07--2019-12-15	SAG035
Second	Social Policy in a National and International Perspective I	7,5	2	2019-11-11--2019-12-15	SAG031
Second	Basic Scientific Theory and Research Methods in Social Work	7,5	2	2019-11-11--2020-01-19	SAG032
Second	Perspectives on Psychosocial Work	7,5	2	2019-11-11--2020-01-19	SAA014
Second	Alcohol and Psychoactive Drugs	7,5	2	2019-11-11--2020-01-19	SAA024
Second	Social Work and Sustainable Development	7,5	2	2019-11-11--2020-01-19	SAA023
Second	Social Work with Crime Victims	7,5	2	2019-12-16--2020-01-19	SAG036
	Other				
First	Swedish as a Foreign Language A, part I	7,5	1	2019-09-02--2019-11-10	HLS07A

Course Catalogue Spring semester 2020

Courses in English available to exchange students (please note that changes due to application numbers may occur)

Normal study pace is 30 ECTS credits/semester

Spring Period 3: 2020-01-20--2020-03-29

Spring Period 4: 2020-03-30--2020-06-07

Level (first/second cycle)	Course	ECTS credits	Period	Date	Course code
	Biology				
First	Research Practises in Natural Sciences	15	3	2020-01-20--2020-06-07	BI023B
First	Inventory methods	7,5	3	2020-01-20--2020-06-07	BIG311
First	Diploma Work	15	3	2020-01-20--2020-06-07	BIG312
	Business Administration				
First	Bachelor Thesis in Business Administration	15	3	2020-01-20--2020-03-29	FEG304
First	Value-based marketing*	15	3-4	2020-01-20--2020-06-07	FEG502
First	(Value based marketing – The consumption and creation of value)	7,5	3	2020-01-20--2020-03-29	FEG503
First	(Value based marketing – The offering and communication of value)	7,5	4	2020-03-30--2020-06-07	FEG504
First	Business Management - organisational classics*	15	3-4	2020-01-20--2020-06-07	FEG501
First	(Business Management – Underlying perspectives and theoretical overview)	7,5	3	2020-01-20--2020-03-29	FEG505
First	(Business Management – Theoretical development and practical application)	7,5	4	2020-03-30--2020-06-07	FEG506
	<i>* It is recommended to study the whole 15 credit course but under special circumstances, the course can be divided in 7,5 credit courses.</i>				
Second /Advanced level	Advanced Management	7,5	3	2020-01-20--2020-03-29	FEA240
Second	Comparative Management Culture	7,5	3	2020-01-20--2020-03-29	FEA230
Second	Customer Relationship Management	7,5	4	2020-03-30--2020-06-07	FEA210
Second	Emerging Markets	7,5	3	2020-01-20--2020-03-29	FEA270
Second	International Business Strategy	7,5	3	2020-01-20--2020-03-29	FEA250
Second	Leadership and Gender	7,5	3	2020-01-20--2020-03-29	FEA260
Second	Marketing Theories	7,5	4	2020-03-30--2020-06-07	FEA220
Second	Master Thesis in Business Administration	15	3	2020-01-20--2020-03-29	FEA800
	Energy Systems				

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Second	Degree project for a Master of Science with major in Energy Systems	15	4	2020-03-30--2020-06-07	ETA700
Second	Degree project for a Master of Science with major in Energy Systems (IT distance)	15	4	2020-03-30--2020-06-07	ETA800
Second	Degree Project for a Master of Science with Major in Energy Systems	30	3-4	2020-01-20--2020-06-07	ETA801
Second	Energy Systems Optimisation and Simulation	6	3	2020-01-20--2020-03-29	ETA321
Second	Industrial Energy Systems	6	3	2020-01-20--2020-03-29	ETA320
Second	Energy System Simulation and Optimisation (IT-distance)	7,5	3	2020-01-20--2020-03-29	ME599D
Second	Thermal comfort and indoor climate (IT-distance)	7,5	3	2020-01-20--2020-03-29	ME545D
Second	Scientific Writing	3	3	2020-01-20--2020-03-29	ETA322
Second	Environmental Assessment of Buildings	7,5	4	2020-03-30--2020-06-07	MX340D
Electronics					
First	Stochastic Processes	7,5	3	2020-01-20--2020-03-29	MA008C
Second	Computerized Image Processing and Machine Vision	7,5	3	2020-01-20--2020-03-29	EEA305
Second	Master's Thesis in Electronics (online)	15	3	2020-01-20--2020-03-29	EEA702
Second	Master's Thesis in Electronics	30	3-4	2020-01-20--2020-06-07	EE470D
Second	Robotics	7,5	3	2020-01-20--2020-03-29	EEA304
Second	Wireless Sensor Networks	7,5	3	2020-01-20--2020-03-29	EEA001
Environmental Science					
Second	Envrionmental assessment of buildings	7,5	4	2019-04-01--2019-06-09	MIA000
Second	Environmental Psychology	7,5	4	2019-04-01--2019-06-09	MPA400
Geomatics/geography/spatial planning					
First	Cartography	7,5	3	2020-01-20--2020-03-29	SBG091
First	Geographical Information technology	7,5	3	2020-01-20--2020-03-29	SBG051
First	Natural Hazards and Risk Assessment	7,5	3	2020-01-20--2020-03-29	SBG542
First	Urban Social Geography	7,5	4	2020-03-30--2020-06-07	SBG322
First	Degree Project for a Bachelor of Science in Geography 15 credits	15	4	2020-03-30--2020-06-07	SB295C
First	Degree Project for a Bachelor of Science/Technology in Geomatics	15	4	2020-03-30--2020-06-07	SB294C
First	Degree Project for a Bachelor of Science/Technology in Land Management/Surveying	15	4	2020-03-30--2020-06-07	SB298C
First	Degree Project for a Bachelor of Science/Technology in Spatial Planning	15	4	2020-03-30--2020-06-07	SB296C
First	Degree Project for a Diploma Certificate in geography	7,5	4	2020-03-30--2020-06-07	SBG701
First	Degree Project for a Diploma Certificate in geomatics/land management/surveying	7,5	4	2020-03-30--2020-06-07	SBG700
First	Degree Project for a Diploma Certificate in spatial planning	7,5	4	2020-03-30--2020-06-07	SBG702
Second	GIScience Seminar	5	3	2020-01-20--2020-03-29	SBA024
Second	Spatial Databases and SDI	5	3	2020-01-20--2020-03-29	SBA004
Second	Spatial Multicriteria Decision Analysis	5	3	2020-01-20--2020-03-29	SBA305
Second	Geodetic Surveying	5	4	2020-03-30--2020-06-07	SBG662
Second	Degree project for a MSc of science/technology with major in geomatics	15	4	2020-03-30--2020-06-07	SB299D
Second	Methods Tool Course for Geospatial Information Science	5	4	2020-03-30--2020-06-07	SBA044
Logistics and Innovation					
Second	Degree Project for a Master of Science in Industrial Engineering and Management	15	4	2020-03-30--2020-06-07	IEA700
Second	Industrial Project Management	6	3	2020-01-20--2020-03-29	IEA010
Second	Strategic Sustainability Management	6	3	2020-01-20--2020-03-29	IEA005

Teacher Education					
First	Education A: Individual Assignment	7,5	3-4	2020-01-20--2020-06-07	PPX04A
First	English 61-90, distance 100%	30	3-4	2020-01-20--2020-06-07	ENG804
First	English for Teachers in Secondary Education 31-60, campus 100%	30	3-4	2020-01-20--2020-06-07	ENG311
First	School Placement for Teaching Practice	7,5	3-4	2019-02-25--2019-05-05	DIG517
First	The Swedish School System	7,5	3	2019-01-21--2019-03-31	DIG011

	<u>Other</u>				
First	Swedish as a Foreign Language A, part I	7,5	3	2019-01-21--2019-03-31	HLS07A