

# Course Catalogue Autumn semester 2021.

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: 2021-08-30--2021-11-07

Autumn Period 2: 2021-11-08--2022-01-16

## Syllabuses

Every course has a syllabus established by the faculty. This document contains the name of the course, it's duration and extent, learning outcomes and purpose as well as information regarding the reading list and examinations.

[Find reading lists/literature here.](#)

| Education level<br>(first/second cycle) | Course and Syllabuses                                  | ECTS credits | Period | Date                     | Course code |
|---|--|--------------|--------|--------------------------|-------------|
|   | <b>Biology</b>   |              |        |                          |             |
| First                                   | <a href="#">Alpine Ecology</a>                         | 7,5          | 1      | 2021-08-30--2021-11-07   | BI304A      |
| First                                   | <a href="#">Aquatic Ecosystems in Nordic Countries</a> | 7,5          | 1      | 2021-08-30--2021-11-07   | BI302A      |
| First                                   | <a href="#">Boreal Forest Ecology</a>                  | 7,5          | 2      | 2021-11-08--2022-01-16   | BI301A      |
| First                                   | <a href="#">Sustainability in Nordic Ecosystems</a>    | 7,5          | 2      | 2021-11-08--2022-01-16   | BI303A      |
|   | <b>Business Administration</b>                         |              |        |                          |             |
| First                                   | <a href="#">Brand Management C</a>                     | 7,5          | 2      | 2021-11-08 -- 2022-01-16 | FEG343      |
| First                                   | <a href="#">Financial Management C</a>                 | 7,5          | 1      | 2021-08-30 -- 2021-11-07 | FEG322      |
| First                                   | <a href="#">Project Management C</a>                   | 7,5          | 1      | 2021-08-30 -- 2021-11-07 | FEG311      |
| First                                   | <a href="#">Services Marketing C</a>                   | 7,5          | 2      | 2021-11-08 -- 2022-01-16 | FEG344      |
| First                                   | <a href="#">Strategic Marketing C</a>                  | 7,5          | 1      | 2021-08-30 -- 2021-11-07 | FEG341      |
| Second                                  | <a href="#">Advanced Management</a>                    | 7,5          | 1      | 2021-08-30 -- 2021-11-07 | FEA240      |
| Second                                  | <a href="#">Comparative Management Culture</a>         | 7,5          | 1      | 2021-08-30 -- 2021-11-07 | FEA230      |
| Second                                  | <a href="#">Customer Relationship Management</a>       | 7,5          | 2      | 2021-11-08 -- 2022-01-16 | FEA210      |
| Second                                  | <a href="#">Emerging Markets</a>                       | 7,5          | 1      | 2021-08-30 -- 2021-11-07 | FEA270      |
| Second                                  | <a href="#">International Business Strategy</a>        | 7,5          | 1      | 2021-08-30 -- 2021-11-07 | FEA250      |
| Second                                  | <a href="#">Leadership and Gender</a>                  | 7,5          | 1      | 2021-08-30 -- 2021-11-07 | FEA260      |

|                              |  |     |     |                          |        |
|------------------------------|--|-----|-----|--------------------------|--------|
| Second                       | <a href="#">Marketing Theories</a>   | 7,5 | 2   | 2021-11-08 -- 2022-01-16 | FEA220 |
| Second                       | <a href="#">Master Thesis in Business Administration</a>                   | 15  | 1-2 | 2021-08-30 -- 2022-01-16 | FEA800 |
| Second                       | <a href="#">Financial accounting and sustainability reporting</a>          | 7,5 | 1   | 2021-08-30 -- 2021-11-07 | FEA006 |
| Second                       | <a href="#">Auditing and Assurance – for Sustainable Business</a>          | 7,5 | 1   | 2021-08-30 -- 2021-11-07 | FEA004 |
| Second                       | <a href="#">Management accounting and control for sustainable business</a> | 7,5 | 2   | 2021-11-08 -- 2022-01-16 | FEA009 |
| Second                       | <a href="#">Advanced Financial Management</a>                              | 7,5 | 2   | 2021-11-08 -- 2022-01-16 | FEA140 |
| <b>Energy Systems</b>        |  |     |     |                          |        |
| Second                       | <a href="#">Applied Computational Fluid Mechanics</a>                      | 7,5 | 2   | 2021-11-08 -- 2022-01-16 | ETA324 |
| Second                       | <a href="#">Building Energy Systems</a>                                    | 6   | 2   | 2021-11-08 -- 2022-01-16 | ETA318 |
| Second                       | <a href="#">Energy Resources</a>   | 6   | 1   | 2021-08-30 -- 2021-11-07 | ETA002 |
| Second                       | <a href="#">Energy Resources (IT-distance)</a>                             | 7,5 | 1   | 2021-08-30 -- 2021-11-07 | ETA004 |
| Second                       | <a href="#">Energy Systems</a>   | 6   | 1   | 2021-08-30 -- 2021-11-07 | ETA000 |
| Second                       | <a href="#">Energy Systems (IT-distance)</a>                               | 6   | 1   | 2021-08-30 -- 2021-11-07 | ETA000 |
| Second                       | <a href="#">Energy Utilization in Buildings (IT-distance)</a>              | 9   | 2   | 2021-11-08 -- 2022-01-16 | ETA311 |
| Second                       | <a href="#">Heat and Power Generation</a>                                  | 6   | 1   | 2021-08-30 -- 2021-11-07 | ETA001 |
| Second                       | <a href="#">Indoor Environment</a>   | 7,5 | 2   | 2021-11-08 -- 2022-01-16 | ME555C |
| Second                       | <a href="#">Sustainable Cities</a>   | 6   | 2   | 2021-11-08 -- 2022-01-16 | ETA319 |
| First                        | <a href="#">Applied Thermodynamics and Fluid Mechanics (IT-distance)</a>   | 15  | 1   | 2021-08-30 -- 2021-11-07 | ETG508 |
| First                        | <a href="#">Fluid Mechanics (IT-distance)</a>                              | 6   | 1   | 2021-08-30 -- 2021-11-07 | ETG306 |
| Second                       | <a href="#">Sustainable Power Generation (IT-distance)</a>                 | 7,5 | 1   | 2021-08-30 -- 2021-11-07 | ETA003 |
| Second                       | <a href="#">Energy Resources (IT-distance)</a>                             | 7,5 | 1   | 2021-08-30 -- 2021-11-07 | ETA004 |
| Second                       | <a href="#">Simulation and Optimisation for Building Environment</a>       | 7,5 | 1   | 2021-08-30 -- 2021-11-07 | ME549D |
| Second                       | <a href="#">Energy Management 7,5 cr</a>                                   | 7,5 | 2   | 2021-11-08 -- 2022-01-16 | ETA006 |
| Second                       | <a href="#">Environmental Assessment of Buildings 7,5 cr</a>               | 7,5 | 1   | 2021-08-30 -- 2021-11-07 | MX340D |
| <b>Environmental Science</b> |  |     |     |                          |        |
| Second                       | <a href="#">Envrionmental assessment of buildings</a>                      | 7,5 | 1   | 2021-08-30 -- 2021-11-07 | MIA000 |
| <b>Electronics</b>           |  |     |     |                          |        |
| First                        | <a href="#">RF Measurement Technology</a>                                  | 7,5 | 1   | 2021-08-30--2021-11-07   | EEG503 |
| First                        | <a href="#">Applied Mechanics II</a>                                       | 7,5 | 1   | 2021-08-30--2021-11-07   | FYG500 |
| First                        | <a href="#">RF Measurement Technology</a>                                  | 7,5 | 2   | 2021-11-08--2022-01-16   | EEG503 |
| Second                       | <a href="#">Advanced Digital Control Systems</a>                           | 7,5 | 2   | 2021-11-08--2022-01-16   | EEA312 |

|   |   |     |   |                        |           |
|---|---|-----|---|------------------------|-----------|
| Second                                      | <a href="#">Multivariable and Nonlinear Control Systems</a>                                 | 7,5 | 2 | 2021-11-08--2022-01-16 | EEA004    |
| Second                                      | <a href="#">Sensors and Measurement Technology</a>  | 7,5 | 1 | 2021-08-30--2021-11-07 | EEA002    |
| Second                                      | <a href="#">Statistical Signal Processing</a>   | 7,5 | 1 | 2021-08-30--2021-11-07 | EEA005    |
| <b>Geomatics/geography/spatial planning</b> |   |     |   |                        |           |
| First                                       | <a href="#">Physical Geography</a>  | 7,5 | 1 | 2021-08-30--2021-11-07 | SBG352    |
| First                                       | <a href="#">Design of the Built Environment</a>   | 7,5 | 1 | 2021-08-30--2021-11-07 | SBG342    |
| First                                       | <a href="#">GIS raster/vector</a>   | 7,5 | 1 | 2021-08-30--2021-11-07 | SBG382    |
| First                                       | <a href="#">Urban Geovisualisation</a>  | 7,5 | 2 | 2021-11-08--2022-01-16 | SBG303    |
| First                                       | <a href="#">Urban studies</a>   | 7,5 | 2 | 2021-11-08--2022-01-16 | SBG513    |
| First                                       | <a href="#">Remote Sensing and GIS Analysis in Land Management</a>                          | 7,5 | 2 | 2021-11-08--2022-01-16 | SBG553    |
| Second                                      | <a href="#">Introduction to Studies on Advanced Level in Geospatial Information Science</a> | 5   | 1 | 2021-08-30--2021-11-07 | SBG612    |
| Second                                      | <a href="#">Thematic and Web Cartography</a>  | 5   | 1 | 2021-08-30--2021-11-07 | SBG622    |
| Second                                      | <a href="#">GIS Data Structures and Algorithms</a>  | 5   | 1 | 2021-08-30--2021-11-07 | SBG632    |
| Second                                      | <a href="#">Geodesign and Scenario Planning</a>   | 5   | 1 | 2021-08-30--2021-11-07 | SBA054    |
| Second                                      | <a href="#">GIS Organisation and Project Management</a>                                     | 5   | 1 | 2021-08-30--2021-11-07 | Cancelled |
| Second                                      | <a href="#">Risk Modelling, Mapping and Geovisualisation</a>                                | 5   | 1 | 2021-08-30--2021-11-07 | Cancelled |
| Second                                      | <a href="#">Remote Sensing</a>  | 5   | 2 | 2021-11-08--2022-01-16 | SBA014    |
| Second                                      | <a href="#">Satellite Sensors and their Applications in Geoscience</a>                      | 5   | 2 | 2021-11-08--2022-01-16 | SBA034    |
| Second                                      | <a href="#">Spatial analysis for planning</a>   | 5   | 2 | 2021-11-08--2022-01-16 | SBA064    |
| Second                                      | <a href="#">Programming and Scripting for GIS</a>   | 5   | 2 | 2021-11-08--2022-01-16 | DVG510    |
| <b>Logistics and Innovation</b>             |   |     |   |                        |           |
| Second                                      | <a href="#">Innovation Management and Processes</a>   | 6   | 2 | 2021-11-08--2022-01-16 | IEA011    |
| Second                                      | <a href="#">Introduction to Industrial Management at Advanced Level</a>                     | 3   | 1 | 2021-08-30--2021-10-24 | IEA007    |
| Second                                      | <a href="#">Reliability, Maintainability and Safety Engineering</a>                         | 6   | 1 | 2021-08-30--2021-11-07 | IEA009    |
| Second                                      | <a href="#">Scientific Methods for Industrial Engineering and Management</a>                | 6   | 2 | 2021-11-08--2022-01-16 | IEA012    |
| Second                                      | <a href="#">Simulation Technique for Logistic Systems</a>                                   | 6   | 2 | 2021-11-08--2022-01-16 | IEA013    |
| Second                                      | <a href="#">Strategies and Principles for Effective Logistics Management</a>                | 6   | 1 | 2021-08-30--2021-11-07 | IEA008    |
| <b>Teacher Education</b>                    |   |     |   |                        |           |
| First                                       | <a href="#">English 1-30 , campus 100%</a>  | 30  | 1 | 2021-08-30--2022-01-16 | ENG019    |
| First                                       | <a href="#">English 31-60, distance 50%</a>   | 30  | 1 | 2021-08-30--2022-06-05 | ENG312    |
| First                                       | <a href="#">English for Teachers in secondary Education 1-30, campus 100%</a>               | 30  | 1 | 2021-08-30--2022-01-16 | ENG018    |

|        |  |     |   |                        |        |
|--------|--|-----|---|------------------------|--------|
| First  | <a href="#">English for Upper Secondary School Teachers 61-90, campus 100%</a> | 30  | 1 | 2021-08-30--2022-01-16 | ENG803 |
|        | <b><u>Social Work</u></b>  |     |   |                        |        |
| First  | <a href="#">Field Studies in Social Work</a>                                   | 7,5 | 1 | 2021-08-30--2021-10-03 | SAG314 |
| First  | <a href="#">Social Work and Social Problems</a>                                | 15  | 1 | 2021-08-30--2021-11-07 | SAG030 |
| Second | <a href="#">International social work</a>                                      | 7.5 | 1 | 2021-08-30--2021-11-07 | SAA012 |
| First  | <a href="#">Children and Families in Vulnerable Life Conditions</a>            | 15  | 1 | 2021-10-04--2021-12-12 | SAG035 |
| First  | <a href="#">Social Policy in a National and International Perspective I</a>    | 7,5 | 2 | 2021-11-08--2021-12-12 | SAG031 |
| Second | <a href="#">Perspectives on Psychosocial Work</a>                              | 7.5 | 2 | 2021-11-08--2022-01-16 | SAA014 |
| Second | <a href="#">Alcohol and Psychoactive Drugs</a>                                 | 7.5 | 2 | 2021-11-08--2022-01-16 | SAA024 |
| Second | <a href="#">Social Work and Sustainable Development</a>                        | 7,5 | 2 | 2021-11-08--2022-01-16 | SAA023 |
| First  | <a href="#">Basic Scientific Theory and Research Methods in Social Work</a>    | 7,5 | 2 | 2021-11-08--2022-01-16 | SAG032 |
| First  | <a href="#">Social Work with Crime Victims</a>                                 | 7,5 | 2 | 2021-11-08--2022-01-16 | SAG036 |
|        | <b><u>Other</u></b>  |     |   |                        |        |
| First  | <a href="#">Swedish as a Foreign Language A, part I 50%</a>                    | 7,5 | 1 | 2021-08-30--2021-11-07 | HLS07A |



