Mid Sweden University
Exchange studies 2007/2008

Programmes and courses taught in English at Mid Sweden University
Mid Sweden University

Campus Härnösand
Campus Sundsvall
Campus Östersund

General information regarding the Swedish Study System

Campus Härnösand Autumn and Spring semester

Campus Sundsvall Autumn semester
Campus Sundsvall Spring semester

Swedish Language and Culture I Ba (A), 7,5 ECTS
Swedish Language and Culture II Ba (A), 7,5 ECTS
Sociology Ba (B), Research Methods, 7,5 ECTS
Sociology Ba (B), Thesis, 7,5 ECTS
Sociology Ba (B), Theories of Democracy, Fundamentalism and Fascism, 7,5 ECTS
Sociology Ma, Leadership and Entrepreneurship, 7,5 ECTS
Sociology Ma, Risk Management and Risk Communication, 7,5 ECTS
Sociology Ma, Thesis, 15 ECTS
Jurisprudence Ba (A), International Law, 7,5 ECTS
Jurisprudence Ba, Human Rights, 7,5 ECTS
Jurisprudence Ba, The United Nations, 7,5 ECTS
Jurisprudence Ba, International Criminal Justice, 7,5 ECTS
Jurisprudence Ba, Protection of the Subjects of National and International Criminal Courts, 7,5 ECTS
Political Science Ba (A), European Integration, 7,5 ECTS
Political Science Ba (A), Regionalism in Europe, 7,5 ECTS
Business Administration Ba (C), Business Relationships, 7,5 ECTS
Business Administration Ba (C), Network Cooperation, 7,5 ECTS
Business Administration Ba (C), Degree Project/Essay, 15 ECTS
Media and Communication Science Ba (A), Intercultural communication, 7,5 ECTS
Media and Communication Science Ba (B), Comparative Media Systems, 7,5 ECTS
Media and Communication Science Ba (B), Research Paper in Communication Studies, 7,5 ECTS
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<th>ECTS</th>
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<tbody>
<tr>
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<td>120</td>
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<tr>
<td>Social work in a Swedish and global context Ba (B)</td>
<td>15</td>
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<tr>
<td>Social work Ba, Field practice placement</td>
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<tr>
<td>Nursing Placement and Nursing Ba (B)</td>
<td>10.5</td>
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<tr>
<td>Nursing Placement and Nursing Care Ba (B)</td>
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**Campus Östersund Spring semester**

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<thead>
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<th>ECTS</th>
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<tbody>
<tr>
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</tr>
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<td>7.5</td>
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<tr>
<td>Psychology Ma, Stress – Effects on Creativity, Decision-making and Productivity</td>
<td>7.5</td>
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<tr>
<td>Psychology Ma, Thesis</td>
<td>15</td>
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<tr>
<td>Sociology Ma (D)</td>
<td>30</td>
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<tr>
<td>Sociology Ma, Leadership and Entrepreneurship</td>
<td>7.5</td>
</tr>
<tr>
<td>Sociology Ma, Risk Management and Risk Communication</td>
<td>7.5</td>
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<tr>
<td>Jurisprudence Ba (A), International Law</td>
<td>7.5</td>
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<tr>
<td>Jurisprudence Ba, Human Rights</td>
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<td>Jurisprudence Ba, The United Nations</td>
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<td>Jurisprudence Ba, International Criminal Justice</td>
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<td>Jurisprudence Ba, Protection of the Subjects of National and International Criminal Courts</td>
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<tr>
<td>Political Science Ba (A), European Integration</td>
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<td>Political Science Ba (A), Regionalism in Europe Regionalism</td>
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<tr>
<td>Business Administration Ba (C), Management in the Experience Industry</td>
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<td>Business Administration Ba (C), Customer relationships in the information society</td>
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<tr>
<td>Business Administration Ba (C), Individual Essay</td>
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<tr>
<td>Business Administration Ma (D), Leadership and Management</td>
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<tr>
<td>Business Administration Ma (D), Research Methods for Business Students</td>
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<tr>
<td>Business Administration Ma (D), Individual Essay</td>
<td>15</td>
</tr>
<tr>
<td>Economics Ma (D)</td>
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</tr>
<tr>
<td>Computer Engineering Ba, Computer Networks</td>
<td>7.5</td>
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<tr>
<td>Social work in a Swedish and global context Ba (B)</td>
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<tr>
<td>Nursing Placement and Nursing Care Ba (B)</td>
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<tr>
<td>Nursing Placement and Nursing Care Ba (B)</td>
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</tr>
</tbody>
</table>
Mid Sweden University
Mid Sweden University was founded ten years ago through the merging of two smaller universities in the region. It is now one of the larger institutions of higher education in Sweden with approximately 15,000 students. Like all universities we provide higher education of a high standard undergraduate-, and post-graduate studies and in research. Mid Sweden University is a network university with campuses in four cities. We offer courses for exchange students at three of our campuses Härnösand, Sundsvall and Östersund. At campus Örnsköldsvik the main focus is research. Mid Sweden University enables close contact between students and staff and offers a variety of courses and resources.

International Office
If you are interested in studying at Mid Sweden University and would like to have more information, please contact our International Office. The best and easiest way to contact any member of staff is by e-mail. But you are also welcome to call us. Business hours are generally 08.00—16.00 Monday to Friday.
E-mail: international@miun.se
Phone: +46 771 975 000
Welcome to contact us

Campus Härnösand
Härnösand is the oldest town in the county of Västernorrland, and it was once an important harbour for transportation of lumber. It is now the administrative centre for the county. Shopping streets grouped around a small square and old wooden houses form the town centre. Härnösand has been a centre of learning for more than 150 years and was well-known throughout Sweden as the “Athens of the North”. It is easy to feel at home in Härnösand with its 28,000 inhabitants. Härnösand offers downhill-, cross country skiing, sailing, skating, and sports in general. For relaxation, there are cinemas, pubs, restaurants, and discos. Cultural events, such as the county library and the newly built county museum Murberget (the second largest open-air museum in Sweden), a municipal art gallery, an active theatre, and a film club.
For more information about the city please visit www.harnosand.se

Campus Sundsvall
Sundsvall has 93,000 inhabitants and is the largest town in the region. It is situated in a coastal valley with steep hills to the north and south. For more than a hundred years Sundsvall has been an important industrial and commercial centre in northern Sweden thanks to its vast forest resources. Sundsvall is developing as a centre for communications, computing, and research.
In 1997 a new university complex was completed in the area of Åkroken - exciting new facilities in an attractive location at the bend of a river. The campus is a 15-minute walk from the town centre.
It is a town with much to offer. There are ski-slopes and miles of illuminated skiing tracks close to town, and a sports centre next-door to the campus with both indoor and outdoor swimming pools. The town offers a large number of cinemas, restaurants, discos, and pubs. There is also a large theatre and a cultural centre called Kulturmagasinet, with a library and a museum/art gallery in the former warehouses. The town centre is known as the “Stone Town” because of its many ornate buildings from the turn of the century. One of these is the Students’ Union House, situated in the very centre of town.
For more information about the city please visit www.sundsvall.se

Campus Östersund
Östersund is beautifully situated on the shores of Storsjön, a deep lake with its own mythical monster! Surrounded as it is by magnificent natural scenery, Östersund is a centre for winter sports. The unspoilt expanses of the nearby mountains offer hiking possibilities for outdoor-types all year. It is not surprising that tourism is important in the region.
As the regional centre with 60,000 inhabitants, Östersund offers a variety of shops and services. There is a modern industrial sector, consisting of mainly manufacturing, forestry and electronics industries.
For more information about the city please visit www.ostersund.se
**General information regarding the Swedish Study System**

**Semesters**
The academic year at Swedish universities usually consists of two semesters, each extending over 20 weeks. The autumn semester runs from the beginning of September to mid-January and the spring semester runs from mid-January until the beginning of June. There is usually a two-week break in teaching at Christmas. June, July, and August are summer holiday months in Sweden. Courses and programmes of study may start either in the autumn and/or in the spring semester.

**Periods**
A semester is 20 weeks long and each semester is divided into four periods of five weeks. Autumn semester includes period one to four and spring semester includes period five to eight. The amount of credits per course may vary from 7.5-30 credits. Students usually take one course of 7.5 credit points in each period, (consecutive scheduling). In some cases, courses of 7.5 credit points run simultaneously over two periods (parallel scheduling) but are studied on a part-time basis. At the end of the five or ten week period there is usually some form of examination, after which the student begins the next course.

**ECTS credit points**
The European Credit Transfer System (ECTS) provides an instrument to create transparency. The system makes it easier for institutions to recognise the learning achievements of students through the use of commonly understood measurements - credits and grades - and it also provides a means to interpret national systems of higher education. In ECTS, 60 credits represent the workload of an academic year of study. From 2007 the amount of credits assigned within Mid Sweden University corresponds with ECTS. 60 credits at Mid Sweden University equal 60 ECTS.

In general one week of full-time study is equivalent to 1.5 credit point. By full-time we mean a workload of about forty hours per week. However, much of this time is non-scheduled self-study. International Students are expected to study full-time, i.e. to choose courses amounting to thirty credit points per semester. The university does not recommend students to choose a workload greater than thirty credit points per semester.

**Levels**
Mid Sweden University will switch to a new degree structure in the autumn semester 2007. The new degree structure has three levels of higher education, each with prerequisites for that specific level. The first level is the bachelor level. The second level is the master level, and the third level is the PhD-level. Exchange students are offered courses and programs at bachelor and master level.

**Bachelor, Ba - First level**
Within the first level you will find courses that are indicated with the letter (A), (B) or (C). Each letter corresponds to the level of the courses, (A) indicating basic level, (B) and (C) advanced level within the subject at the bachelor level.

**Master, Ma - Second level**
Within the second level courses will be indicated with the letter (D). D-level is the master level.

**Grading Scale**
From the autumn semester 2007, Mid Sweden University will apply a grading scale of seven levels, A-F. Each course is defined in terms of the expected results and abilities ('learning outcome') which the student should achieve at the conclusion of the course. This clarifies the knowledge each student is expected to possess at the end of the course in order to pass the course. The grades A-E are used to indicate how well the student achieves the 'learning outcome'.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
</tr>
<tr>
<td>B</td>
<td>Very Good</td>
</tr>
<tr>
<td>C</td>
<td>Good</td>
</tr>
<tr>
<td>D</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>E</td>
<td>Sufficient</td>
</tr>
<tr>
<td>Fx</td>
<td>Insufficient</td>
</tr>
<tr>
<td>F</td>
<td>Insufficient</td>
</tr>
</tbody>
</table>
Teaching and examination methods
Courses are usually a mixture of lectures, seminars, group work, laboratory work, and independent studies. They may also consist of fieldwork or training periods arranged by the university. The Swedish University system relies heavily on self-study and the student is expected to take an active part in the learning experience. Some course meetings may be mandatory. Examination can take the form of continuous assessment, project work, written or oral assignments, or traditional written or oral examinations. The traditional written examination is usually between three and five hours in length and held on a weekday morning or afternoon. Examinations are occasionally held on Saturdays. For students who fail, it is possible to re-take the examination. Students should contact their department for more details about examination regulations.

Application and enrolment
All Exchange Students wishing to study or take part in a practical work placement at Mid Sweden University must complete the application form and send it in, together with an official transcript of records (in English) from their home university, which shows what the student has studied so far and includes proof of the applicant’s knowledge of English and/or Swedish. You have to meet the General Requirements for Admission and possibly also meet certain Special Requirements (Prerequisites) to be admitted to the course.

Many of the courses we offer to International Students are at B and C level, which means that the applicant should have successfully completed previous studies in the subject. In order to be admitted to a course at B-level the student must have completed a course in the subject at A-level. To be admitted to a course at C-level the student must have completed courses at A and B-level, i.e. successfully completed two semesters of full-time studies in the subject.

Mid Sweden University has to assess the application and prerequisites before we can enrol the student in our university. In case of unclarities, Mid Sweden University will contact the student’s home university to discuss the choice of courses.

Exchange student at MIU
Carina Spitzkopf was an exchange student at Mid Sweden University autumn semester 2006. Her home University is University of Passau in Germany. At Mid Sweden University she took courses in Sociology, Business Administration and Computer Engineering

We asked her how she would describe her experience as an exchange student at Mid Sweden University.

- I had a great time being an exchange student at MIU and Campus Sundsvall. The university looks very neat, and is very well equipped. The City of Sundsvall is more or less very nice to live in, and there are sufficient things to do. I especially enjoyed the activities arranged by the International Student Committee. They were very helpful and the people were very nice.
Swedish Language and Culture I Ba (A), 7.5 ECTS
Department of Humanities
Campus: Härnösand, Sundsvall and Östersund
Description: This course is intended for international students studying at Mid Sweden University, for one or two semesters. The course aims at providing an introduction to Swedish language and literature, as well as to Swedish culture and society. The students are expected to practice their skills in spoken and written Swedish. This course is sometimes offered at Campus Härnösand, Campus Sundsvall and Campus Östersund, but only if resources are available.
Code: SVEX04
Level: Bachelor (A)
Length: Autumn semester: part-time, periods 1-4. Spring semester: part-time, periods 5-8
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7.5

Swedish Language and Culture II Ba (A), 7.5 ECTS
Department of Humanities
Campus: Härnösand, Sundsvall and Östersund
Description: This course is a continuation of the course Swedish Language and Culture I and aims at providing the students with further knowledge about the Swedish language and literature. The students are expected to practice their skills in spoken and written Swedish. The students on this course may be divided into two groups, depending on previous knowledge of Swedish. This course is sometimes offered at Campus Härnösand, Campus Sundsvall and Campus Östersund, but only if resources are available.
Code: SVEX05
Level: Bachelor (A)
Length: Autumn semester: part-time, periods 1-4. Spring semester: part-time, periods 5-8
Prerequisites: At least one year of successfully completed full-time studies at university level and completion of the course Swedish Language and Culture 1 or similar.
ECTS credits: 7.5

English Ba (A), 30 ECTS
Department of Humanities
Campus: Härnösand
Description: The course is designed to enable students to improve their use of written and spoken English and broaden their knowledge of literature and socio-cultural conditions in various English-speaking countries.
Code: ENAA20
Level: Bachelor (A)
Prerequisites: At least one year of successfully completed full-time studies at university level and a good qualification in English from upper-secondary school.
ECTS credits: 30

English Ba (A), Oral and Written Proficiency in English, 7.5 ECTS
Department of Humanities
Campus: Härnösand
Description: The course is designed to enable students to improve their use of written and spoken English. There are three course meetings – one at the start, one in the middle, and one at the end of the course. The students are in contact throughout with their tutor via the internet.
Code: ENAA07
Level: Bachelor (A)
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7.5

English Ba (A), Business writing, 7.5 ECTS
Department of Humanities
Campus: Härnösand
Description: The course is web-based and designed to enable students to improve their use of written and spoken English for business purposes. The students are in contact throughout with their tutor via the internet.
Code: ENA13
Length: Autumn semester part time, distance learning, period 1-4. Spring semester: part time, distance learning, periods 5-8.
Prerequisites: Contact the Department of Humanities.
ECTS credits: 7.5

English Ba (A), Creative writing, 7, 5 ECTS
Department of Humanities
Campus: Härnösand
Description: The aim of this course is to allow the student to develop her/his proficiency in writing fiction, poetry and drama. There are three course meetings – one at the start, one in the middle, and one at the end of the course. The students are in contact throughout with their tutor via the internet.
Code: KSKA01
Level: Bachelor (A)
Length: Autumn semester part time, distance learning, period 1-4. Spring semester: part time, distance learning, periods 5-8.
Prerequisites: Contact the Department of Humanities
ECTS credits: 7.5

English Ba (B), 30 ECTS
Department of Humanities
Campus: Härnösand
Description: The students will continue to develop their ability to use written and spoken English and to increase their knowledge of literature and cultural conditions in English speaking countries, as well as gaining knowledge of theoretical perspectives on literature, English linguistics and language history.
Code: ENAB01
Level: Bachelor (B)
Prerequisites: One and a half years of successfully completed full-time studies at university of which one semester of courses in English language and literature.
ECTS credits: 30

English Ba (C), 30 ECTS
Department of Humanities
Campus: Härnösand
Description: The course is designed to enable the students to deepen their knowledge of the English language and literature in English. Linguistics, history of language and literature will be studied with an emphasis on theoretical aspects. A short dissertation (10 credit points) is required.
Code: ENAC01
Level: Bachelor (C)
Prerequisites: At least two years of successfully completed full-time studies at university level, of which two semesters of courses in English language and literature.
ECTS credits: 30

Work-based placement course Ba, 18/30 ECTS
Department of Education
Campus: Härnösand
Description: The aims of course are that students should:
- deepen their knowledge about aims, content and teaching methods in pre-school and compulsory school.
- be responsible for certain activities or lessons in pre-school and compulsory school and learn practice new skills.
- discuss didactic questions about work and leadership in pre-school and compulsory school with tutor teacher to increase their self-awareness.
Code: PEEA 68
Level: Bachelor
Length: Varying
ECTS credits: 18 or 30
Swedish Language and Culture I Ba (A), 7, 5 ECTS
Department of Humanities
Campus: Härnösand, Sundsvall and Östersund
Description: This course is intended for international students studying at Mid Sweden University, for one or two semesters. The course aims at providing an introduction to Swedish language and literature, as well as to Swedish culture and society. The students are expected to practice their skills in spoken and written Swedish. This course is sometimes offered at Campus Härnösand, Campus Sundsvall and Campus Östersund, but only if resources are available.
Code: SVEX04
Level: Bachelor (A)
Length: Autumn semester: part-time, periods 1-4. Spring semester: part-time, periods 5-8
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7.5

Swedish Language and Culture II Ba (A), 7, 5 ECTS
Department of Humanities
Campus: Härnösand, Sundsvall and Östersund
Description: This course is intended for international students studying at Mid Sweden University for one or two semesters. The course is a continuation of the course Swedish Language and Culture I and aims at providing the students with further knowledge about the Swedish language and literature. The students are expected to practice their skills in spoken and written Swedish. The students on this course may be divided into two groups, depending on previous knowledge of Swedish. This course is sometimes offered at Campus Härnösand, Campus Sundsvall and Campus Östersund, but only if resources are available.
Code: SVEX05
Level: Bachelor (A)
Length: Autumn semester: part-time, periods 1-4. Spring semester: part-time, periods 5-8
Prerequisites: At least one year of successfully completed full-time studies at university level and completion of the course Swedish Language and Culture 1 or similar.
ECTS credits: 7.5

Sociology Ba (C), 30 ECTS
Department of Social Sciences
Campus: Sundsvall/Östersund
Description: The aim of the course is to strengthen the participants’ analytical abilities and increase their knowledge of modern sociological theories and research methods. The course is divided into three parts:
1. Sociological analysis and method (7, 5 ECTS): The aim of the sub course is to provide deeper knowledge of sociological research traditions and skills in the use of different sociological methods.
2. Contemporary theoretical discourse (7, 5 ECTS): A minor part of the sub course is common to all participants, and consists of the reading and discussion of advanced sociological theory. The remaining part of the subcourse is divided into a number of different theoretical themes for the students to choose between. The content of the themes may vary between different semesters, depending on the areas of specialization of the teachers.
3. Individual essay (15 ECTS): Each student carries out and reports, a scientific study. The writing of the essay is supervised by a teacher.
Code: SOAC03
Level: Bachelor (C)
Length: Autumn semester: full-time, period 1-4
Prerequisites: One year of successfully completed full- time studies in sociology at university level.
ECTS credits: 30

Sociology Ma, Introduction to Advanced Studies in the Social Sciences, 7, 5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: This course gives an introduction to studies in social science at an advanced level. The main issues dealt with are theory of science, history of science and ethical problems related to social science research.
Code: XX001
Level: Master
Length: Autumn semester: full-time, period 1
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 7, 5
Sociology Ma, Organization Analysis, 7, 5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: This course deals with prerequisites and limitations regarding organizations’ capacity for rational action. Organizations are created in order to function as instruments for the fulfilment of certain goals and tasks. The notion of organizations as instruments is, however, problematic in several ways. A number of aspects related to organizational rationality, such as decision-making in organizations, organizational change, and the relationship between organizations and environment, are dealt with during the course.
Code: XX002
Level: Master
Length: Autumn semester: full-time, period 2
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 7, 5

Sociology Ma, Sociological Theory, 7, 5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: This course provides a deeper knowledge in general sociological theory, and a problem-oriented discussion of a number of central concepts. Each participant is also given the opportunity to specialize in a specific area of interest.
Code: XX003
Level: Master
Length: Autumn semester: full-time, period 3
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 7, 5

Sociology Ma, Research Methods, 7, 5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: In this course multivariate statistical methods, such as regression analysis and factor analysis, are studied and applied. Qualitative methods are studied at an advanced level, regarding, e.g., individual and group interviews.
Code: XX004
Level: Master
Length: Autumn semester: full-time, period 4
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 7, 5

Master in Sociology, 60 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: The Master programme in Sociology focuses on issues related to Human Resources. The programme begins with an introduction to studies in social science at an advanced level. The main issues dealt with are theory of science, history of science and ethical problems related to social science research. The courses in sociology focus on entrepreneurship, organizational theory and organizational risk management. During the last course of the programme each participant, independently but under supervision of a teacher, carries out a scientific study. The results are presented in a scientific thesis.
Code: XX005
Level: Master
Length: One year starting Autumn semester 2007, full-time
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 60

Master in Sociology, 120 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: The Master programme in Sociology focuses on issues related to Human Resources but the student has the opportunity to individually choose between courses in sociology on an advanced level. The programme begins with an introduction to studies in social science at an advanced level. The main issues dealt with are theory of science, history of science and ethical problems related to social science research. The courses in sociology focus on entrepreneurship, organizational theory and organizational risk management, but there are also courses in social theory, social psychology and research methods. During the last course of the programme each participant, independently but under supervision of a teacher, carries out a scientific study. The results are presented in a scientific thesis.
Code: XX006
Level: Master
Length: Two years starting Autumn semester 2007, full-time
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 120
Jurisprudence Ba (A), An Introduction to Swedish Criminal Law, 7,5 ECTS
Department of Social Sciences
Campus: Sundsvall/Östersund (Internet)
Description: The purpose of this course is to study the basic theories, general Principles, crimes and sentences within the Swedish penal law. Criminal cases from the Swedish courts will also be studied and analyzed. The course is offered by internet. The participants must therefore have access to internet. During the course there will be two meetings including lectures, seminars and group exercises. They will take place on weeks 46 and 50. Participation in the meetings is not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case the student is responsible to contact the administrative staff for examination arrangements.
Code: RVAA18
Level: Bachelor (A)
Length: Autumn semester, part time period 3-4
Prerequisites: 15 ECTS in Jurisprudence
ECTS credits: 7,5

Jurisprudence Ba (A), International Law, 7,5 ECTS
Department of Social Sciences
Campus: Sundsvall/Östersund (Internet)
The purpose of this course is to learn about the basic principles and general content of the system of public international law. In connection with online distance learning, the students are encouraged to learn how to find and deal with international cases as well as materials. The course is only offered by internet. The participants must therefore have access to internet. During the course there will be three meetings. Participation in the meetings are not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case the student is responsible to contact the administrative staff for examination arrangements.
Code: RVAA14
Level: Bachelor (A)
Prerequisites: At least one semester of successful studies at university level.
Length: Autumn semester, full time, period 3
ECTS credits: 7,5

Jurisprudence Ba (A), International Projects with Police Reforms, 7,5 ECTS
Department of Social Sciences
Campus: Östersund/Sundsvall (internet)
The purpose of the course is to in a national and international connection implement work of the police which is carried out or will be carried out abroad. Except international law, human rights and humanitarian law other relevant international agreement and cases will be dealt with. The course includes non-compulsory lectures, seminaries and group work on Campus Sundsvall w. 36 and 40. The course is also given by Internet. There is an obligatory written examination at the Mid Sweden University in week 40. It may also be carried out at another university or if the student is abroad, at an embassy or university. In such cases the student must get in contact with the administrative personal for arrangements. After the examination the students will work individually or in group of not more than three persons with a project which will be presented at an obligatory seminar on Campus Sundsvall or by visual internet.
Code: RÄ015G
Level: Bachelor (A)
Length: Autumn semester, part time period 3-4
Prerequisites: Introductory course in Law, or the equivalence of a police degree.
ECTS credits: 7,5

Jurisprudence Ba (A), International Criminal Law I, 7,5 ECTS
Department of Social Sciences
Campus: Östersund/Sundsvall (internet)
Description: The aim of the course is to give the students fundamental global knowledge in international criminal law, what it consists of and how it may be used. During the course will e.g. international law and fundamental principles and doctrin within international criminal law be studied. The course is by Internet and has two non-compulsory meetings with lectures, seminaries and group exercises in Sundsvall. The only compulsory is part is a written examination at the Mid Sweden University. The student may also write the examination at another university but must then get in contact with the administrative personal for arrangements.
Code: RÄ023G
Level: Bachelor (A)
Length: Autumn semester, part time period 1-2
Prerequisites: At least one year of successful studies at university level.
ECTS credits: 7,5
Jurisprudence Ba (A), International Criminal Law II, 7.5 ECTS
Department of Social Sciences
Campus: Östersund/Sundsvall (internet)
Description: The purpose of the course is to give the student further and deeper knowledge of international criminal law. The student will have the opportunity to study a specific area within international criminal law by research and to complete an essay under supervision. The course is given by Internet and has one non-compulsory meeting in week 46 with lectures, seminars and group exercises at Campus Sundsvall. There is one compulsory seminar in week 3, 2008 at campus Sundsvall, where the essays will be discussed.
Code: RÄ024G
Level: Bachelor (A)
Length: Autumn semester, part time period 3-4
Prerequisites: At least one year of successful studies at university level and Criminal Law I.
ECTS credits: 7.5

Political Science Ba (A), International Politics, 7, 5 ECTS
Department of Social Sciences
Campus: Sundsvall
Description: This course focuses on the organization of the system of international politics; its actors/operators, instruments and arenas for action. The dominating theories within the area are presented. These courses may well be combined with courses from the Department of Information Technology and Media. For more information, please contact by e-mail: Monica.Bogataj@miun.se .
Code: SKAA12
Level: Bachelor (A)
Length: Autumn semester: full time period 4
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7.5

Business Administration Ba (B), Business Leadership in Different Cultures, 7.5 ECTS
Department of Social Sciences
Campus: Sundsvall
Description: The importance of culture for organising and managing business companies has shown to be great, and the aim of the course is to give insight to this. The course consists of two strongly linked parts, of which the first part deals with national cultures and its influence on the organisation and management style. The second part deals with organisation cultures and its consequences for the organisation and management activities.
Code: XX007
Level: Bachelor (B)
Length: Autumn semester, part time, period:
Prerequisites: The course presupposes basic knowledge in organisation theory.

Business Administration Ba (B), Internet Marketing, 7.5 ECTS
Department of Social Sciences
Campus: Sundsvall
Description: Internet as an instrument for business companies to market their products and services and to influence existing and potential customers is of growing importance. The development is fast. This course aims at giving knowledge about internet as a medium and channel and to give insight to possibilities and opportunities for business companies to develop their marketing activities and the business.
Code: XX008
Level: Bachelor (B)
Length: Autumn semester, part time, period:
Prerequisites: The course presupposes basic knowledge of modern marketing management.

Narrative forms in media Ba (A), 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: This course is aimed to introduce students to the ground fundamentals of storytelling through mediated devices. Drawing on examples from filmic, televised and other common narrative mediums the course will focus on and illustrate the various storytelling elements that are involved. Students shall explore narrative conventions applied in new media in order to build an awareness, understanding and practical application of these mechanisms.
Code: FTAA05
Level: Bachelor (A)
Duration/study rate: Fall 07, part time, period 3-4, Spring 08, part time, period 6-7
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7.5
Informatics Ba (A), Humans in Information Technological Work Environments, 7,5 ECTS
Department of Information, Technology and Media
Campus: Sundsvall
Description: The course aims at highlighting the user related to the information technological systems created around us in different work environments. Also, the roles and impact of the developers related to information systems and their use are analysed. During the course consequences of information systems are discussed using concepts such as philosophies of human nature, view on technology and “the good work organisation”.
Code: IKAA36
Level: Bachelor (A)
Length: Fall semester: part time, period 3-4
Prerequisites: At least one year of successfully completed full-time studies as university level.
ECTS credits: 7,5

Informatics Ba (A), e-Government, 7,5 ECTS
Department of Information, Technology and Media
Campus: Sundsvall
Description: The aim of the course is to give a broad introduction to the e-Government area. Topics as e-democracy, access, legislation, security, web services and the citizen as a user of public information systems are high-lighted. These topics are studied and discussed from an interdisciplinary perspective where both social and technical issues are included.
Code: IKAA77
Level: Bachelor (A)
Length: Fall semester: part time, period 1-4
Prerequisites: At least one year of successfully completed full-time studies as university level.
ECTS credits: 7,5

Informatics Ma (D), Public Information Systems I, 7,5 ECTS
Department of Information, Technology and Media
Campus: Sundsvall
Description: Public information systems are information systems available for public use. There are public information systems both in the public sector and in the private sector, and both citizens and businesses may be users of such systems. Public information systems are analysed from several perspectives as regards users and usages, data contents, and technical, organisational, and legal aspects. Some proposals concerning future research in this truly interdisciplinary and application-oriented research area are presented.
Code: XX009
Level: Master (D)
Length: Fall semester: Full time, period 1
Prerequisites: At least three years of successfully completed studies at university level in one of the following disciplines (behavioural science, social science, computer science, systems science (economics, sociology, political science, psychology, pedagogy, computer engineering, computer science, archival science, media and communication, informatics, information systems).
ECTS credits: 7,5

Informatics Ma (D), Citizens perspective on Public Information Systems, 7,5 ECTS
Department of Information, Technology and Media
Campus: Sundsvall
Description: The course will study design and use of Public Information Systems with the citizens’ perspective in focus. Questions as access, relations with technology, gender, democracy to mention some, will be discussed.
Code: XX010
Level: Master (D)
Length: Fall semester: full time, period 2
Prerequisites: At least three years of successfully completed studies at university level in one of the following disciplines (behavioural science, social science, computer science, systems science (economics, sociology, political science, psychology, pedagogy, computer engineering, computer science, archival science, media and communication, informatics, information systems).
ECTS credits: 7,5

Computer Engineering Ba, Computer Networks, 7,5 ECTS
Department of Information Technology and Media
Campus: Internet, Sundsvall
Description: The intent of the course is to provide a technical, scientific and intuitive basis for understanding how data communications works. Its objectives are to endow the student with knowledge in the area of data communication and computer networks and familiarize him with network architectures, transmission media, network topologies and access methods, basic addressing and routing and simple network troubleshooting.
Code: DT024G
Level: Bachelor
**Duration/study rate:** Summer 07 (June 11th - Sep 1st) / 50%; Autumn 07, Per. 1 - 4 (Sep. 3rd - Nov.4th) / 50%; Spring 08, per.7 - 8 (Apr. 26th - June 8th) / 50%;

**Prerequisites:** One years of successfully completed studies at university level, included Mathematics.

**ECTS credits:** 7, 5

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**Computer Engineering Ba, Wireless Internet Access, 7,5 ECTS**
Department of Information Technology and Media  
**Campus:** Internet  
**Description:** Wireless Internet Access is currently in a strong expansion phase as a continuation of mobile phones and Internet connections. The course is involved with wireless networks (WLAN) and Internet access through the mobile telephone network.  
**Code:** DT072G  
**Level:** Bachelor  
**Duration/study rate:** Autumn 07 (Sep. 03 - Jan. 20th) / 25%  
**Prerequisites:** 22,5 ECTS points from Computer Engineering courses at basic level, including the course Computer Networks (7,5 ECTS points) or equivalent, 7,5 ECTS points from courses in Mathematics.  
**ECTS credits:** 7, 5

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**Computer Engineering Ba, Network Security, 7,5 ECTS**  
Department of Information Technology and Media  
**Campus:** Internet  
**Description:** The course is about protocols, architectures and applications used today in the Internet to protect the users and networks from different kinds of threats. The students will get a basic understanding of the protocols used for encryption, authentication and authorization, as well as knowledge in building networks that are protected from various types of attacks. Tools and different ways to attack a network will be studied with a goal to understand better the issues of network management and security.  
**Code:** DT116G  
**Level:** Bachelor  
**Duration/study rate:** Autumn 07, Per. 1 - 4 (Sep. 3rd - Jan. 20th) / 25%;  
**Prerequisites:** 15 ECTS points from Computer Engineering courses at basic level, including the course Computer Networks (7, 5 ECTS points).  
**ECTS credits:** 7, 5

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**Computer Engineering Ba, TCP/IP Networking, 7,5 ECTS**  
Department of Information Technology and Media  
**Campus:** Sundsvall  
**Description:** The course provides both theoretical and practical knowledge about the TCP/IP protocol suite. This enables global network interoperability and hence is behind the architecture and the organization of the Internet. With the concepts like switching, multiplexing, naming, addressing, routing, quality of service, flow, and congestion control we explore the success and the omnipresence of the Internet, the ways to improve and yet preserve its universality, scalability, best-effort service model, and most of all affordability and the notion of equity.  
**Code:** DT092G  
**Level:** Bachelor  
**Duration/study rate:** Autumn 07, Per. 3-4(Nov. 5th - Jan. 20th) / 50%  
**Prerequisites:** 45 ECTS points from Computer Engineering courses at basic level, including courses Computer Networks (7,5 ECTS points) and Operating Systems (7,5 ECTS points) or equivalents and 15 ECTS points from courses in Mathematics at the basic level.  
**ECTS credits:** 7, 5

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**Computer Engineering Ba, (Unix) System and Network Administration, 7,5 ECTS**  
Department of Information Technology and Media  
**Campus:** Sundsvall; Internet  
**Description:** There are several distinct tasks for offering Internet services. The course is focused upon administration of various network and information services which is in essence different from the traditional system administration especially from the aspect of producing information.  
**Code:** DT056G  
**Level:** Bachelor  
**Duration/study rate:** Autumn 07, Per. 3 - 4 (Nov. 5th - Jan. 20th) / 50%; Autumn 07, Per. 3 - 4 (Nov. 5th - Jan. 20th) / 50%  
**Prerequisites:** One year of successfully completed studies at university level, including 30 ECTS points from courses in Computer Engineering at bachelor level.  
**ECTS credits:** 7, 5
**Computer Engineering Ba, Object Oriented Programming in Java, 7,5 ECTS**
Department of Information Technology and Media

**Campus:** Internet; Sundsvall

**Description:** Object oriented programming works primarily with things like classes and objects. The course deals with the creation of manageable programs through the object-oriented paradigm based on real life problems.

**Code:** DT021G

**Level:** Bachelor

**Duration/study rate:** Autumn 07 Per. 3 - 4 (Nov. 5th - Jan. 20th) / 50%; Spring 08, Per. 5 - 8 (Jan. 21st - June 8th) / 25%; Autumn 07, Per. 1 - 2 (Sep. 3rd - Nov.4th) / 50%

**Prerequisites:** 15 ECTS points from courses in Computer Engineering at basic level, including the course Introductory Programming in Java (7,5 ECTS points) or Object Oriented Programming in C++ (7,5 ECTS points) or equivalent.

**ECTS credits:** 7, 5

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**Computer Engineering Ba, Web Programming, 7,5 ECTS**
Department of Information Technology and Media

**Campus:** Sundsvall

**Description:** The focus is upon the design of interactive web sites; work with dynamic HTML, and creating connection to databases and developing a web environment with help of various CGI scripts.

**Code:** DT058G

**Level:** Bachelor

**Duration/study rate:** Autumn 07, Per. 3 – 4 (Nov. 5th - Jan. 20th) / 50%; Spring 08, Per. 7 - 8 (Mar. 25th - June 8th) / 50%

**Prerequisites:** One year of successfully completed studies at university level, including 30 ECTS points from courses in Computer Engineering at basic level, including the course Introductory Programming in C++ or Java (7,5 ECTS points) and Database Modelling and Implementation (7,5 ECTS points) or equivalents.

**ECTS credits:** 7, 5

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**Computer Engineering Ba, Databases C, 7,5 ECTS**
Department of Information Technology and Media

**Campus:** Sundsvall

**Description:** Advanced design principles and schemes for database management are central to the course context. Therefore, concepts like access methods, optimization, transactions, data storage and mining, search engines, distributed, object-oriented and object relational databases, web and semi-structured data are closely examined.

**Code:** DT081G

**Level:** Bachelor

**Duration/study rate:** Autumn 2007, Per. 1 - 2 (Sep. 3rd - Nov.4th) / 50%;

**Prerequisites:** 45 ECTS points from courses in Computer Engineering at basic level, including courses Operating Systems, Introductory course (7,5 ECTS points), Computer Networks (7,5 ECTS points) and Database Modelling and Implementation (7,5 ECTS points) or equivalents, 15 ECTS points from courses in Mathematics including the course Discrete Mathematics (7,5 ECTS points) or equivalent.

**ECTS credits:** 7, 5

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**Computer Engineering Ba, XML with Databases, 7,5 ECTS**
Department of Information Technology and Media

**Campus:** Sundsvall

**Description:** XML is emerging as the dominant standard for data modelling and data exchange on the Internet. The course starts by introducing fundamental concepts of XML technology and the problem of storing, updating and querying XML data while explaining the reasons behind XML importance. The syntactical aspects of XML and other technologies relating to XML-enabled databases, including W3C Schemas, XPath, Namespaces, XSLT, XQuery, XUpdate, SQL/XML are covered, as well as the XML support in various programming languages/frameworks such as Java, .NET, PL/SQL.

**Code:** DT107G

**Level:** Bachelor

**Prerequisites:** One year of successfully completed studies at university level, including 15 ECTS points from courses in Computer Engineering including the courses Object Oriented Programming in C++ or the same course with Java (7,5 ECTS points), Internet (7,5 ECTS points) or equivalents and the course Database Modelling and Implementation (7,5 ECTS points) or equivalent.

**ECTS credits:** 7, 5
Computer Engineering Ma, Scientific Theory and Method, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The course gives an overview of the problems and methods in the theory of science, as well as a concise enumeration of the most important issues in the philosophy of science. The goal is to increase students’ ability in critical thinking and analyses of scientific problems and give them the opportunity to discuss comprehensive problems, ideas and principles.
Code: DT016A
Level: Master
Duration/study rate: Autumn 07, Per. 1-2
(Sep. 3rd - Nov. 2nd) / 50%
Prerequisites: Bachelors Degree (180 ECTS points) including 60 ECTS points from courses in Computer Engineering
ECTS credits: 7,5

Computer Engineering Ma, Distributed Systems I, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: Most of the systems today may be studied, represented and designed through the principles of distributed systems. They include, but are not limited to operating systems, which sufficiently describe their generality to be used for case studies.
Code: DT017A
Level: Master
Duration/study rate: Autumn 07, Per. 3 – 4
(Nov 5th - Jan. 20th) / 50%
Prerequisites: 45 ECTS points from courses in Computer Engineering at basic level, including courses in programming (preferably in Java), the course Operating Systems, Introductory course (7,5 ECTS points), Computer Networks (7,5 ECTS points) and Database Modelling and Implementation (7,5 ECTS points) or equivalents, 22,5 ECTS points from courses in Mathematics.
ECTS credits: 7,5

International Master in Computer Engineering, 120 ECTS
Department of Information, Technology and Media
Campus: Sundsvall
Description: The Programme in Computer Engineering provides you with a broad selection of the most relevant and attractive topics in Internet technology, data communication networks, distributed systems, and web services.
This innovative graduate programme offers you contemporary education and research through highly interactive work with the lecturers and the researchers and by using the state-of-the-art instruction and lab facilities. Projects are the prevalent mode on the courses, which makes it possible for you to experience both individual and team work. The topics you can work with include, but are not limited to: routing and congestion control, heterogeneous networks design, mobility and nomadicity, security, system dependability and reliability, quality of services, voice and video over IP, sensor networks, interactive web services, service oriented architecture and usability engineering.
Code: 23907
Level: Master
Length: 2 years full-time studies, starting autumn semesters
Prerequisites: BSc (Bachelor of Science) degree in Computer Engineering or Computer Science.
ECTS credits: 120

International Masters in Public information systems, 120 credit points
Department of Information, Technology and Media
Campus: Sundsvall
Description: E-services is an emerging field rapidly gaining attention and importance, and governments and companies all over the world are developing information systems and electronic services that have the capacity to meet the emerging service needs and demands of citizens and other clients. The aim of the programme in Public Information Systems is that after completed studies the students, through a unique comprehensive view, will be found at prominent and bridging positions in organisations which in different ways lead the development of public information systems. The programme provides an excellent foundation for development and continuing research within the field and several courses are parts of bigger research or industrial projects such as active archives and integrated records management, applied decision theory in e-government, technical infrastructure for public information systems, leadership and strategic decisions and citizens’ perspectives on public information systems.
Code: 23927
Level: Master
Length: 2 years full-time studies, starting autumn semesters
Prerequisites: At least three years of successfully completed studies at university
level in one of the following disciplines
behavioural science, social science, computer
science, systems science (economics, sociology,
political science, psychology, pedagogy,
computer engineering, computer science,
archival science, media and communication,
informatics, information systems).

ECTS credits: 120

Electrical Engineering Ma, Applied
Sensor Technology I, 15 ECTS
Department of Information technology and
Media
Campus: Sundsvall
Description: The course covers semiconductor
devices and technology such as diodes, detectors
and transistors and analogue circuits. Both the
electronics, physical and processing aspects are
studied and analysed in real projects.
Code: ETAC53
Level: Master
Duration/study rate: Autumn 07, per. 1-2,
100%
Prerequisites: The prerequisite is at least three
years of successfully completed studies at
university level of which one semester in
mathematics and three semesters in electrical
engineering (including courses in electronics)
ECTS credits: 15

Electrical Engineering Ma, Applied
Sensor Technology II, 15 ECTS
Department of Information technology and
Media
Campus: Sundsvall
Description: Continuation of the first course
where the more advanced technology related to
the topics in VLSI Technology I is studied. You
will apply the latest research results on real-
world problems in the form of a project.
Code: ETAD27
Level: Master
Duration/study rate: Autumn 07, per. 3-4,
100%
Prerequisites: Successfully completion of
Applied Sensor Technology I
ECTS credits: 15 ECTS

International Master in Electronics
Design, 120 ECTS
Department of Information, Technology and
Media
120 credit points
Campus: Sundsvall
Description: The programme in Electronics
Design provides an excellent foundation for
continuing research and development within
different areas of Electronics, such as
Multimedia, Telecommunication and Industrial
Metrology. The programme is designed as a
Master by Research; the courses are organized
as projects with small theory blocks embedded
within the projects. The course project is often
part of a bigger research or industrial project
such as digital imaging systems, digital X-ray
image sensors, communication circuits for 3G
terminals, and electronics for price labelling.
Code: 23917
Level: Master
Length: 4 semesters (Starts in the fall period 1
and in the spring period 5), full- time.
Prerequisites: At least three years of
successfully completed studies at university
level of which one semester in mathematics and
two semesters in electrical engineering
(including courses in electronics)
ECTS credits: 120

Biology Ba (C), Botany, 15 ECTS
Department of Natural Science
Campus: Sundsvall
Description: The course consists of 7 weeks of
species inventory and identification covering
vascular plants, mosses, lichens and fungi and 3
weeks of theory. A major part of the course is
held as outdoors excursions, but we will also
have plenty of time identifying species in the
lab. The species identification part ends with
and excursion to an area with a different flora.
The course also includes sections that provide
in-depth knowledge on the biology of the
species groups and insights to modern
taxonomical research.
Code: BIAC17
Level: Bachelor (C)
Duration/study rate: Period 1-2
Prerequisites: At least two years of
successfully completed full-time studies at
university level including two semesters of
Biology or competence corresponding to that.
ECTS credits: 15

Biology Ba (C), Population and
Community Ecology, 15 ECTS
Department of Natural Science
Campus: Sundsvall
Description: The course offers advanced
knowledge and skills in population- and
community ecology. You will be introduced to
models and their application in biological
control, management of threatened and
harvested species. For community ecologists the focus
is on their structure and function.
Code: BIAC18
Level: Bachelor (C)
Duration/study rate: Period 3-4
Prerequisites: At least two years of successfully completed full-time studies at university level including two semesters of Biology or competence corresponding to that.

ECTS credits: 15

**Biology Ba (C), Independent project, 15 ECTS**
Department of Natural Science
Campus: Sundsvall
Description: The course consists on an independent project that provides knowledge in scientific methodology and experience in scientific writing and oral presentation. The project is selected based upon the current areas of research and competence in Biology at Mid Sweden University.
Code: BIAC03, BIAC23
Level: Bachelor (C)
Duration/study rate: flexible starting time
Prerequisites: At least two years of successfully completed full-time studies at university level including two semesters of Biology or competence corresponding to that. In addition, at least one course at third year level with a focus relevant for the independent project.

ECTS credits: 15

**Biology Ma, Functional Ecology, 15 ECTS**
Department of Natural Science
Campus: Sundsvall
Description: The course presents the concept of functional ecology in a boreal perspective. A thorough description of boreal ecosystems with a focus of the ecosystem services provided by species aims to provide understanding on functional relations in nature. Interactions among species and the influence of species on natural processes are central topics. The teaching is provided through excursions, lectures, literature seminars and projects. Focus is directed to interactive components where students and teachers together discuss and explore the content of the course
Code: BI005A
Level: Master
Duration/study rate: period 1 and 2
Prerequisites: Bachelors degree with biology as main subject (at least 90 ECTS in biology).
ECTS credits: 15 ECTS

**Biology Ma, Ecophysiology, 15 ECTS**
Department of Natural Science
Campus: Sundsvall
Description: In the course, we aim at understanding and answer questions with a focus on how animals and plants are adapted to different environments. Why does a specific organism exist in a specific location, how does it handle the surrounding environment, how will it react to changes and how high is the productivity or has it potential for in the future? Physiological processes that can answer these questions will be studied. The course provides an integrated in-depth approach to the dependence of the life processes on morphological and physiological adaptation and acclimation to the environment of the organisms. The course includes both theoretical as well as experimental sections focusing on close collaboration with our staff of researchers.
Code: BI004A
Level: Master
Duration/study rate: period 3 and 4
Prerequisites: Bachelors degree with biology as main subject (at least 90 ECTS in biology).
ECTS credits: 15 ECTS
International Master in “Functional Ecology of the Boreal Ecosystem”, 120 credit points
Department of Natural Sciences
Campus: Sundsvall

Description: Biological research competence is needed on many levels in the society. With a Master in Biology you will be prepared for international work as a professional biologist. We offer an exciting program with a clear profile – functional ecology in boreal ecosystems – which provide a scientific basis for understanding ecosystem function.

The program aims to provide thorough knowledge on what species do in nature, with an emphasis on boreal (northern) ecosystems. The dramatic and accelerating loss of global biodiversity influence ecosystem function. Carbon flows, nutrient dynamics, water quality and pollination are examples of processes which are regulated by plants, animals and fungi and thus sensitive to changes in the abundance and distribution of species. We need to better understand the links between biological diversity and ecosystem integrity, function and its ability to deliver goods and services. This is basic knowledge needed in order to build a sustainable society.

The two year program is a Bologna adapted Masters Program (120 ECTS). The first year is based on mandatory course as listed below.

During the second year an individual projects is performed in close cooperation with one of the research groups at the department. Topic for the project is chosen based on your interest and in relation to ongoing research. During the second year a course in Science history and philosophy (7.5 ECTS) is also given.

Code: 43907
Level: Master
Length: 2 years full-time studies, starting autumn semesters
Prerequisites: Bachelors degree with biology as main subject (at least 90 ECTS in biology).
ECTS credits: 120

Nursing Placement and Nursing Care Ba (B), 10,5 ECTS
Department of Health Sciences
Campus: Sundsvall and Östersund

Description: The aims of the course are that students should:
- deepen their knowledge and understanding of Nursing Care
- be given opportunities to apply the knowledge they have gained, practice new skills and increase their self-awareness.

The course is based on individualized teaching and learning.

Code: OMAB22
Level: Bachelor (B)
Length: 7 weeks
Prerequisites: This course is only available to students who have completed at least two years of a Nursing programme in their home countries. Contact the Department of Health Sciences for further information.
ECTS credits: 10,5 ECTS

Nursing Placement and Nursing Care Ba (B), 18 ECTS
Department of Health Sciences
Campus: Sundsvall and Östersund

Description: The aims of the course are that students should:
- deepen their knowledge and understanding of Nursing Care
- be given opportunities to apply the knowledge they have gained, practice new skills and increase their self-awareness.

The course is based on individualized teaching and learning.

Code: OMAB23
Level: Bachelor (B)
Length: 12 weeks
Prerequisites: This course is only available to students who have completed at least two years of a Nursing programme in their home countries. Contact the Department of Health Sciences for further information.
ECTS credits: 18 ECTS
Swedish Language and Culture I Ba (A), 7,5 ECTS
Department of Humanities
Campus: Härnösand, Sundsvall and Östersund
Description: This course is intended for international students studying at Mid Sweden University, for one or two semesters. The course aims at providing an introduction to Swedish language and literature, as well as to Swedish culture and society. The students are expected to practice their skills in spoken and written Swedish. This course is sometimes offered at Campus Härnösand, Campus Sundsvall and Campus Östersund, but only if resources are available.
Code: SVEX04
Level: Bachelor (A)
Length: Autumn semester: part-time, periods 1-4. Spring semester: part-time, periods 5-8
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7.5

Sociology Ba (B), Research Methods, 7,5 ECTS
Department of Social Sciences
Campus: Sundsvall
Description: This course focuses on qualitative methods. It gives a deeper understanding of the underlying assumptions different qualitative methods are based on and the students get an opportunity to use these methods in practice.
Code: XX011
Level: Bachelor (B)
Length: Spring semester: full-time, period 2
Prerequisites: At least one year of successfully completed full-time studies at university level including one semester in sociology.
ECTS credits: 7.5

Swedish Language and Culture II Ba (A), 7,5 ECTS
Department of Humanities
Campus: Härnösand, Sundsvall and Östersund
Description: This course is a continuation of the course Swedish Language and Culture I and aims at providing the students with further knowledge about the Swedish language and literature. The students are expected to practice their skills in spoken and written Swedish. The students on this course may be divided into two groups, depending on previous knowledge of Swedish. This course is sometimes offered at Campus Härnösand, Campus Sundsvall and Campus Östersund, but only if resources are available.
Code: SVEX05
Level: Bachelor (A)
Length: Autumn semester: part-time, periods 1-4. Spring semester: part-time, periods 5-8
Prerequisites: At least one year of successfully completed full-time studies at university level and completion of the course Swedish Language and Culture 1 or similar.
ECTS credits: 7.5

Sociology Ba (B), Thesis, 7,5 ECTS
Department of Social Sciences
Campus: Sundsvall
Description: During this course the participants in pairs or small groups, under supervision of a teacher, carries out a scientific study. The results are presented in a scientific thesis.
Code: XX112
Level: Bachelor (B)
Length: Spring semester: full-time, period 4
Prerequisites: At least one year of successfully completed full-time studies at university level including one semester in sociology.
ECTS credits: 7.5

Sociology Ba (B), Theories of Democracy, Fundamentalism and Fascism, 7,5 ECTS
Department of Social Sciences
Campus: Sundsvall
Description: This course will attempt to develop the ability to analyse the present-day from a sociological viewpoint. The 1990s have
often been referred as the era that saw the onset of globalism, multiculturalism and of more flexible borders. However these developments have also generated counter-reactions such as hostility towards immigrants, regionalism and nationalistic feelings. The objective of this course is to allow students to study a particular era, in this case the present-day, through a sociological perspective by focusing on these three areas of globalism, multiculturalism and border-crossing.

**Sociology Ma, Thesis, 15 ECTS**
Department of Social Sciences  
**Campus:** Sundsvall and Östersund  
**Description:** During this course each participant, independently but under supervision of a teacher, carries out a scientific study. The results are presented in a scientific thesis.  
**Code:** XX014  
**Level:** Master  
**Length:** Spring semester: full-time, period 3–4  
**Prerequisites:** Bachelor degree with a major in sociology  
**ECTS credits:** 15

**Jurisprudence Ba (A), International Law, 7,5 ECTS**
Department of Social Sciences  
**Campus:** Sundsvall/Östersund (Internet)  
The purpose of this course is to learn about the basic principles and general content of the system of public international law. In connection with online distance learning, the students are encouraged to learn how to find and deal with international cases as well as materials. The course is only offered by internet. The participants must therefore have access to internet. During the course there will be three meetings. Participation in the meetings are not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact the administrative staff for examination arrangements.  
**Code:** RVAA14  
**Level:** Bachelor (A)  
**Prerequisites:** At least one semester of successful studies at university level.  
**Length:** Spring semester, full-time, period 3  
**ECTS credits:** 7,5

**Sociology Ma, Leadership and Entrepreneurship, 7,5 ECTS**
Department of Social Sciences  
**Campus:** Sundsvall and Östersund  
**Description:** In this course different general styles and processes of management are described and, more specifically, the entrepreneur as leader is analysed. The creation, management and development of organizations by entrepreneurs are studied.  
**Code:** XX012  
**Level:** Master  
**Length:** Spring semester: full-time, period 1  
**Prerequisites:** Bachelor degree with a major in sociology  
**ECTS credits:** 7,5

**Sociology Ma, Risk Management and Risk Communication, 7,5 ECTS**
Department of Social Sciences  
**Campus:** Sundsvall and Östersund  
**Description:** This course provides deeper knowledge of theories of risk and risk communication, specifically regarding organizational aspects, and risk perceptions of different population groups. These theoretical insights are combined with practical applications at different organizational and societal levels, regarding management and communication of risks in organizations and their environments.  
**Code:** XX013  
**Level:** Master  
**Length:** Spring semester: full-time, period 2  
**Prerequisites:** Bachelor degree with a major in sociology  
**ECTS:** 7,5

**Jurisprudence Ba, Human Rights, 7,5 ECTS**
Institution of Social Sciences  
**Campus:** Sundsvall/Östersund (Internet)  
The purpose of the course is to give a picture from the basic theories of international human rights. The course also deals with the development of conventions governing human rights norms including the practice with due regard to civil and criminal aspects. The course also considers the different perspectives for the appropriate implementation of human rights norms in the practice of states. The course is offered by internet. The participants must have therefore access to internet. During the course there will be two
meetings including lectures, seminars and group exercises. They will take place on weeks 4 and 7. Participation in the meetings is not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact with the administrative personals for examination’s arrangements.

**Code:** RVAA21  
**Level:** Bachelor (A)  
**Length:** Spring semester: full-time, period 4  
**Prerequisites:** At least one semester of successful studies at University level  
**ECTS credit:** 7.5

**Jurisprudence Ba, The United Nations, 7.5 ECTS**  
Institution of Social Sciences  
**Campus:** Sundsvall/Östersund (Internet)  
**Description:** The purpose of the course is to create a fundamental understanding of the role of the United Nations in international law and to study the function of the system of international law in connection with states, organisations, groups and individual in international relations. The course is offered by internet. The participants must have therefore access to internet. During the course there will be two meetings including lectures, seminars and group exercises. They will take place on weeks 8 and 13. Participation in the meetings is not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact with the administrative personals for examination’s arrangements.

**Code:** RVAA19  
**Level:** Bachelor (A)  
**Length:** Spring semester: Part-time, period 1-2  
**Prerequisites:** 7.5 ECTS in Jurisprudence  
**ECTS credit:** 7.5

**Jurisprudence Ba, International Criminal Justice, 7.5 ECTS**  
Institution of Social Sciences  
**Campus:** Sundsvall/Östersund (Internet)  
**Description:** The purpose of the course is to analyze the evolution and development of the international criminal and procedural law from different aspects including the practice at national and international courts. The course focuses on different theories within the two areas of jurisprudence. During the course, we will also analyse if the heart of the international criminal law governing the international criminal justice functions appropriately with due regard to international criminal conventions and human rights. The question will also be raised if states may use the machinery of international criminal law for their own purposes. The course is offered by internet. The participants must have therefore access to internet. During the course there will be two meetings including lectures, seminars and group exercises. They will take place on weeks 13 and 18. Participation in the meetings is not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact with the administrative personals for examination’s arrangements.

**Code:** RVAA20  
**Level:** Bachelor (A)  
**Length:** Spring semester: part-time, period 3-4  
**Prerequisites:** 15 ECTS in Jurisprudence  
**ECTS credit:** 7.5

**Jurisprudence Ba, Protection of the Subjects of National and International Criminal Courts, 7.5 ECTS**  
Institution of Social Sciences  
**Campus:** Sundsvall/Östersund (Internet)  
**Description:** This course provides a basic knowledge relating to the protection of the subjects of national and international criminal courts constituting one of the most serious questions within various legal systems. These include the rules of the protection and the rights of victims, accused, witness and convicted in national and international penal- and penal procedural law. The course is offered by internet. The participants must have therefore access to internet. During the course there will be two meetings including lectures, seminars and group exercises. They will take place on weeks 19 and 23 Participation in the meetings is not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact with the administrative personals for examination’s arrangements.

**Code:** RVAA17  
**Level:** Bachelor (A)  
**Length:** Spring semester: part-time, period 3-4  
**Prerequisites:** 15 ECTS in Jurisprudence  
**ECTS credit:** 7.5  
**Political Science Ba (A), European**
**Integration, 7.5 ECTS**  
Department of Social Sciences  
Campus: Sundsvall  
**Description:** The course focuses on the European integration process, particularly on the European Union as a supranational system. The various EU institutions involved in the policy-making process are studied. Another point of interest is how the integration process in Europe affects national political systems, with a certain focus on Central and Eastern European transition.  
**Code:** SKAA29  
**Level:** Bachelor (A)  
**Length:** Spring semester, full-time, period 7  
**Prerequisites:** At least one year of successfully completed full-time studies at university level.  
**ECTS credits:** 7.5

**Political Science Ba (A), Regionalism in Europe, 7.5 ECTS**  
Department of Social Sciences  
Campus: Sundsvall  
**Description:** Regionalisation processes in Europe are studied during this course, with a particular focus on the consequences of regionalisation on the integration process in Europe. Could regional integration and globalisation be seen as two sides of the same process? This question is raised and will be analysed during the course. Regionalisation in Europe is also contrasted to regionalisation in other parts of the world.  
**Code:** SKAA28  
**Level:** Bachelor (A)  
**Length:** Spring semester, full-time, period 8  
**Prerequisites:** At least one year of successfully completed full-time studies at university level.  
**ECTS credits:** 7.5

**Business Administration Ba (C), Business Relationships, 7.5 ECTS**  
Department of Social Sciences  
Campus: Sundsvall  
**Description:** Business companies often to business with other business companies and other organisations in more or less stable relations. Handling these relations is therefore and important task for the business company. This course aims at bringing deeper understanding of the special situation for business companies and other organisations within industry characterized by simultaneous cooperation and competition process.  
**Code:** XX015  
**Level:** Bachelor (C)  
**Length:** Spring semester, full-time, period 1  
**Prerequisites:** Basic level in Business Administration (corresponding to B-level)  
**Business Administration Ba (C), Network**

**Cooperation, 7.5 ECTS**  
Department of Social Sciences  
Campus: Sundsvall  
**Description:** Customers in many industries require more and more complex and flexible solutions, which stimulates the business companies to cooperate with other business companies and organisations in order to optimize the joint resources and find strong positions in the market. The aim of the course is to give deeper understanding of the special character of business networks and give insight into how strategic cooperation can be created and handled.  
**Code:** XX016  
**Level:** Bachelor (C)  
**Length:** Spring semester, full-time, period 2  
**Prerequisites:** Basic level in Business Administration (corresponding to B-level)

**Business Administration Ba (C), Degree Project/Essay, 15 ECTS**  
Department of Social Sciences  
Campus: Sundsvall  
**Description:** The major part of the course consists of a process during which the student, alone or together with one colleague, formulate a relevant problem, design a study and solve that problem. Then the study should be described in a written report. During the process the student get support from a tutor. A minor part of the course consists of a few seminars during which the student presents the study and defends it in an open seminar. The student will also act as opponent to another study.  
**Code:** XX017  
**Level:** Bachelor (C)  
**Length:** Spring semester, full-time, period 3-4  
**Prerequisites:** Basic level in Business Administration and at least 7.5 ECTS in one of the two C-courses above.

**Media and Communication Science Ba (A), Intercultural communication, 7.5 ECTS**  
Department of Information Technology and Media  
**Description:** The aim of this course is to increase the students “intercultural competence” by exploring the key concepts and theories associated with the field of intercultural communication and by activating these concepts and theories through group projects and classroom activities.  
**Code:** MKAA16  
**Level:** Bachelor (A)  
**Duration/study rate:** Spring 08, part time, period 6-7
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7,5

Media and Communication Science Ba (B), Comparative Media Systems, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The course provides a general introduction to normative media theories and media systems in different parts of the world. By the end of the module, the student will be able to:
- Identify and explain basic media philosophies
- Analyze the interplay of political, cultural and economic forces in the context of media system development and change in different countries
- Summarize the basic attributes of media systems in Scandinavia, North America, Europe and developing countries
- Compare the Swedish system to that of another country
Code: MKAB13
Level: Bachelor (B)
Duration/study rate: Spring 08, full time, period 5
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7,5

Media and Communication Science Ba (B), Research Paper in Communication Studies, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The project is intended to provide students with an opportunity to develop their knowledge about media and communication issues by writing an academic research paper that ties together the knowledge acquired in the previous modules. The project consists of an academic essay on a topic related to media and communication. Students write a research paper (approx. 20 pages) on a topic approved by the instructor that represents an undergraduate level term paper, including literature references, theoretical discussion, empirical overview and analysis.
Code: MKAB12
Level: Bachelor (B)
Duration/study rate: Spring 08, full time, period 8
Prerequisites: At least one year of successfully completed full-time studies at university level, preferably within social sciences, cultural studies or media and communication studies.
ECTS credits: 7,5

Narrative forms in media Ba (A), 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: This course is aimed to introduce students to the ground fundamentals of storytelling through mediated devices. Drawing on examples from filmic, televised and other common narrative mediums the course will focus on and illustrate the various storytelling elements that are involved. Students shall explore narrative conventions applied in new media in order to build an awareness, understanding and practical application of these mechanisms.
Code: FTAA05
Level: Bachelor (A)
Duration/study rate: Fall 07, part time, period 3-4, Spring 08, part time, period 6-7
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7,5

Graphic design Ba (A), Graphic Design, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The aim of the course is to introduce the tools used in the area of layout within information and communication work and fundamental knowledge in imaging with the aid of relevant imaging software. The course results in an individually produced printed matter.
- Fundamental rules of layout and typography.
- Practical layout exercises in QuarkXpress.
- Fundamental knowledge about program for imaging.
- Practical work with editing images.
Code: GDAA22
Level: Bachelor (A)
Duration/study rate: Spring 08, part time, period 6-7
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7,5
Journalism Ba (B), Magazine project, 7.5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The aim of the course is to provide an introduction to journalistic writing in English as well as an insight into magazine publication and content. Based on this knowledge, and the students' skills in basic graphic design and layout learnt in prior modules, the students will create their own magazine. The course consists of both individual and group-based assignments.
- Journalistic and feature writing in English
- Magazine design and layout
- Editing
- Magazine analysis
- Magazine production
Code JOAB24
Level Bachelor (B)
Duration/study rate: Spring 08, full time, period 8
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7.5

Informatics Ba (A), Humans in information technological societies, 7.5 ECTS
Department of Information, Technology and Media
Campus: Sundsvall
Description: The course aims at highlighting the user related to the information technological systems created around us in a societal- as well as an individual perspective. The view on the relation technology-human is explored by questions as: - Who/what creates and controls the development of society?, - Which are the roles of technology developers?, - Which role does technology play ideologically and practically?
Code: IKAA37
Level: Bachelor (A)
Length: Spring semester: part time, period 5-6
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7.5

Computer Engineering Ba, Computer Networks, 7.5 ECTS
Department of Information Technology and Media
Campus: Internet, Sundsvall
Description: The intent of the course is to provide a technical, scientific and intuitive basis for understanding how data communications works. Its objectives are to endow the student with knowledge in the area of data communication and computer networks and familiarize him with network architectures, transmission media, network topologies and access methods, basic addressing and routing and simple network troubleshooting.
Code: DT024G
Level: Bachelor
Duration/study rate: Summer 07 (June 11th - Sep 1st) / 50%; Autumn 07, Per. 1 - 4 (Sep. 5th - Jan. 20th) / 25%; Autumn 07, Per. 1 – 2 (Sep. 3rd - Nov.4th) / 50%; Spring 08, per.7 - 8 (Apr. 26th - June 8th) / 50%;
Prerequisites: At least one year of successfully completed full-time studies at university level, including High school Mathematics.
ECTS credits: 7.5

Computer Engineering Ba, Data Structures and Algorithms, 7.5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The course presents the theory and practice, behind a selection of algorithms and data structures suitable for the common problems encountered in various tools for developing programs and applications. The goal is to examine their characteristics and to build understanding of the relation and interplay between the procedure, its representation and the program code.
Code: DT046G
Level: Bachelor
Duration/study rate: Spring 08, Per. 5 - 6 (Jan. 22nd-April 8th) / 50%
Prerequisites: 22.5 ECTS points from courses in Computer Engineering at basic level, including the course Object oriented Programming in C++ (7.5 ECTS points) or equivalent and 7.5 ECTS points from the Calculus course or equivalent in Mathematics . It is recommended to have the courses Discreet Mathematics (7.5 ECTS points) and Algebra (7.5 ECTS points) or equivalents.
ECTS credits: 7.5

Computer Engineering Ba, Artificial Intelligence B, 7.5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The problems and methods used to solve them, which often resemble mental processes, are in the focus of the Artificial Intelligence course.
Code: DT050G
Level: Bachelor (B)
Duration/study rate: Spring 08, Per. 5-6 (Jan. 22nd-April 8th) / 50%
Prerequisites: 22,5 ECTS points from courses in Computer Engineering at basic level including the course Object Oriented Programming in C++ (7,5 ECTS points) or equivalent and 15 ECTS points from courses in Mathematics. Or 15 points from courses in Computer Engineering at basic level including the course Object Oriented Programming in C++ (5 points) or equivalent and 10 points from courses in Mathematics. It is recommended to have the course in Logic.
ECTS credits: 7,5

Computer Engineering Ba, Web Programming, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The focus is upon the design of interactive web sites; work with dynamic HTML, and creating connection to databases and developing a web environment with help of various CGI scripts.
Code: DT058G
Level: Bachelor
Duration/study rate: Autumn 07, Per. 3 – 4 (Nov. 5th - Jan. 20th) / 50%; Spring 08, Per. 7 - 8 (Mar. 25th - June 8th) / 50%
Prerequisites: 30 ECTS points from courses in Computer Engineering at basic level, including the course Introductory Programming in C++ or Java (7,5 ECTS points) and Database Modelling and Implementation (7,5 ECTS points) or equivalents.
ECTS credits: 7,5

Computer Engineering Ba, e-Government, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The goal of the course is to give a broad introduction in the area of e-government via topics such as e-democracy, security, and web services from the citizen prospective using public information systems. The subject is examined from both technical and societal aspects.
Code: DT034G
Level: Bachelor
Duration/study rate: Spring 08, Per. 5 -6 (Jan. 22nd-April 8th) / 50%
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7,5

Computer Engineering Ma, Network Design, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The course focuses on the issues and processes used to define and analyze the requirements behind network construction, and configuration. The objective is to learn how to design local, campus, metropolitan, or wide area networks and the connection to the Internet. The course addresses concepts like scalability, robustness, redundancy, reliability, remote access, ubiquitous availability, security, and the notion of all IP networks.
Code: DT019A
Level: Master
Duration/study rate: Spring 08, Per. 5 - 6 (Jan. 22nd - April 8th) /50%
Prerequisites: 52,5 ECTS points from courses in Computer Engineering at basic level, including courses Computer Networks (7,5 ECTS points) and TCP/IP Networking (7,5 ECTS points) or equivalents.
ECTS credits: 7,5

Computer Engineering Ma, Advanced Network Systems, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The course focuses on the latest research in the design and analysis of computer communication protocols, network architecture and applications, with an emphasis on the Internet paradigm and technology. A large part of the course will be spent on reading technical and survey papers, standards, seminar style discussions on the topics such as the congestion and delay management techniques, unicast and multicast routing, wireless networks, mobility, QoS, network services, overlay networks, and Internet traffic analysis and modelling.
Code: DT012A
Level: Master
Duration/study rate: Spring 08, Per. 5 - 6 (Jan. 22nd - April 8th) /50%
Prerequisites: 75 ECTS points from courses in Computer Engineering at basic level, including courses Computer Networks (7,5 ECTS points) and TCP/IP Networking (7,5 ECTS points) or equivalents, 22,5 ECTS points from courses in Mathematics at basic level.
ECTS credits: 7,5
Computer Engineering Ma, Simulation of Tele-systems, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The course goal is to prepare students for work with development and management of current and future communications systems. The course includes study of the existing protocols, standards and services and offers a possibility to get experience in simulating telesystems using computers and in writing technical reports. A project assignment about some real systems will further develop understanding of certain areas like mobile communication, modem for broadband access, wireless computer networks, digital TV-transmission, IP-TV or IP-telephony.
Code: DT015A
Level: Master
Duration/study rate: Spring 08, Per. 7 - 8 (Apr. 26th - June 8th) / 50%
Prerequisites: 22,5 ECTS points from courses in Mathematics including course in Mathematical Statistics and Transformations (7,5 ECTS points) or equivalent, 15 ECTS points from courses in Computer Engineering at basic level, including courses in programming and networking, 30 ECTS points from courses in Electrical Engineering including the course Signals and Systems or equivalent and Telecommunications or equivalent.
ECTS credits: 7,5 ECTS

Computer Engineering Ma, Network Management and Security, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: There is a need for policies, strategies, and techniques, as well as hardware and software tools to implement effective and reliable management of computer networks. Some of the concepts studied are performance monitoring and control, fault detection and recovery, configuration, accounting and security. The major emphasis is put on the Internet and network security, which includes cryptography, threats and threat models, secrecy and privacy, message integrity, types of intrusion, packet sniffing, spoofing, authentication protocols, authorization, access control, secure services, IPsec, firewalls, and security incidents and responses.
Code: DT009A
Level: Master
Duration/study rate: Spring 08, Per. 7 - 8 (Apr. 26th-June 8th) / 50%
Prerequisites: 75 ECTS points from courses in Computer Engineering at basic level, including the course Advanced Network Systems (7,5 ECTS points) or equivalent.
ECTS credits: 7,5

Computer Engineering Ma, Man-machine Interaction, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: Microprocessors are today literary everywhere from your camera and stove to your credit card and mobile phone. While computers are not so easy to handle, the large systems are even more complex and beyond the normal human comprehension. The course is focused upon the things we need to know about human aspects when a person is exposed to manage all these types of systems. It discusses how we can improve the way they are designed.
Code: DT022A
Level: Master
Duration/study rate: Spring 08, Per. 5 - 6 (Jan. 22nd-April 8th) / 50%
Prerequisites: 45 ECTS points from courses in Computer Engineering at basic level, including the course Graphical Usability (7,5 ECTS points) or equivalent.
ECTS credits: 7,5

Computer Engineering Ma, Service
Oriented Architecture, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The course reflects the research in the technological aspects of public information systems and the conditions to develop interactive e-services in the future. Special accent will be put on exploring possibilities to offer web-services with SOAP, WSDL and XML over HTTP. Research articles, standardization documents and technical reports will be used to enhance the knowledge in the area. In addition, the course will offer experience in user centric specification, design and evaluation of public web-services. Real examples from research, industry and government agencies will be explored, as well as scientific investigation that can produce an article to be published in a scientific journal.
Code: DT013A
Level: Master
Duration/study rate: Spring 08, Per. 7 - 8 (Apr. 26th-June 8th) / 50%
Prerequisites: 75 ECTS points from courses in Computer Engineering including the courses Web Programming (7,5 ECTS points) and Man-machine Interaction (7,5 ECTS points) or equivalents.
ECTS credits: 7,5

Computer Engineering Ma, Distributed Systems II, 7,5 ECTS
Department of Information Technology and Media
Campus: Sundsvall
Description: The goal of the course is to offer advanced knowledge in the architecture of the distributed system as well as in the design of such systems.
Code: DT002A
Level: Master
Duration/study rate: Spring 08, Per. 7 - 8 (Apr. 26th - June 8th) / 50%
Prerequisites: 52,5 ECTS points from courses in Computer Engineering including the course Distributed Systems I (7,5 ECTS points) or equivalent, alternatively 15 ECTS points from courses in Electrical Engineering in the area of Telecommunications, and 45 ECTS points from courses in Mathematics.
ECTS credits: 7,5

Biology Ba (C), Conservation Biology I, Biodiversity, 15 ECTS
Department of Natural Sciences
Campus: Sundsvall
Description: The course provides advanced knowledge of the biodiversity concept, particularly focusing effects of habitat loss and effects of other human activities. Modern methods in describing biodiversity in relation to applied conservation. The importance of the Convention on Biological Diversity for national and international conservation policy. Insights into valuation methods and priorities in Swedish and international conservation. The course is also suitable for students studying to become teachers.
Code: BIAC20
Level: Bachelor (C)
Duration/study rate: Period 5-6
Prerequisites: At least two years of successfully completed full-time studies at university level including two semesters of Biology or competence corresponding to that.
ECTS credits: 15

Biology Ba (C), Conservation Biology II, Landscape ecology, 15 ECTS
Department of Natural Sciences
Campus: Sundsvall
Description: The course provides knowledge of landscape composition, history and analysis. The course encompasses the treatment of spatiotemporal patterns and ecosystem processes at the landscape scale. Theory formation and modelling is applied within a landscape ecological perspective. Principles of conservation, population modelling and models used in landscape planning and management are examples of landscape level applications. Students will gain hands-on experience of commonly used tools and applications in landscape ecology, for example map analysis, GIS, GPS, data extraction from historical sources and aerial photographs.
Code: BIAC25
Level: Undergraduate (C)
Duration/study rate: Period 7-8
ECTS credits: 15
Biology Ba (C), Independent project, 15 ECTS
Department of Natural Science
Campus: Sundsvall
Description: The course consists on an independent project that provides knowledge in scientific methodology and experience in scientific writing and oral presentation. The project is selected based upon the current areas of research and competence in Biology at Mid Sweden University.
Code: BIAC03, BIAC23
Level: Bachelor (C)
Duration/study rate: flexible starting time
Prerequisites: At least two years of successfully completed full-time studies at university level including two semesters of Biology or competence corresponding to that. In addition, at least one course at third year level with a focus relevant for the independent project.
ECTS credits: 15

Biology Ma (D), Independent project, 30 ECTS
Department of Natural Science
Campus: Sundsvall
Description: The course consists on an independent project that provides in-depth knowledge in scientific methodology and experience in scientific writing and oral presentation. The project can be chosen to prepare for future employment or with an emphasis on graduate studies. The project is selected based upon the current areas of research and competence in Biology at Mid Sweden University.
Code: BIAD01, BIAD03
Level: Master (D)
Duration/study rate: flexible starting time
Prerequisites: At least three years of successfully completed full-time studies at university level including three semesters of Biology or competence corresponding to that. In addition, at least one course at third year level with a focus relevant for the independent project.
ECTS credits: 30

Biology Ma, Molecular methods, 15 ECTS
Department of Natural Science
Campus: Sundsvall
Description: During the course you learn molecular methods, hands on, both in the lab and by using the extensive data bases that exist. Projects are, both on DNA – RNA- and protein level. This is combined with a theoretically frame work that corresponds to functional ecology. You work in small groups or individually in the lab and at the computer with your on project. Teaching is provided as lab work, lectures, literature seminars and projects. The course is built on interactions between students and teachers.
Code: ETAC54
Level: Master
Duration/study rate: Spring 08, per. 5-6, 100%
Prerequisites: The prerequisite is at least three years of successfully completed studies at university level of which one semester in mathematics and three semesters in electrical engineering (including courses in electronics).
ECTS credits: 15
**Electrical Engineering Ma, Embedded Systems Design, 15 ECTS**
Department of Information technology and Media

**Campus:** Sundsvall

**Description:** In this course you will learn to use tools and equipment for advanced electronics design. In a project-based form you will specialize in embedded system design and prototype development through the development of a digital or analogue electronic system.

**Code:** ETAD27

**Level:** Master

**Duration/study rate:** Spring 08, per. 7-8, 100%

**Prerequisites:** Successfully completion of Digital System Design.

**ECTS credits:** 15

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**Health Promotion Ba (A), 7,5 ECTS**
Department of Health Sciences

**Campus:** Sundsvall

**Description:** The aim of the course is to provide knowledge about health and health promotion, national and international health policy, health behaviour and its determinants, and health from a transcultural view. For more information contact Eva.Mjones@miun.se

**Code:** XX018

**Level:** Bachelor (A)

**Length:** Spring semester: distance learning.

**Prerequisites:** At least one year of successfully completed full-time studies at university level.

**ECTS credits:** 7,5

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**Nursing Placement and Nursing Care Ba (B), 18 ECTS**
Department of Health Sciences

**Campus:** Sundsvall and Östersund

**Description:** The aims of the course are that students should:
- deepen their knowledge and understanding of Nursing Care
- be given opportunities to apply the knowledge they have gained, practice new skills and increase their self-awareness.

The course is based on individualized teaching and learning.

**Code:** OMAB23

**Level:** Bachelor (B)

**Length:** 12 weeks

**Prerequisites:** This course is only available to students who have completed at least two years of a Nursing programme in their home countries. Contact the Department of Health Sciences for further information.

**ECTS credits:** 18 ECTS

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**Nursing Placement and Nursing Care Ba (B), 18 ECTS**
Department of Health Sciences

**Campus:** Sundsvall and Östersund

**Description:** The aims of the course are that students should:
- deepen their knowledge and understanding of Nursing Care
- be given opportunities to apply the knowledge they have gained, practice new skills and increase their self-awareness.

The course is based on individualized teaching and learning.

**Code:** OMAB22

**Level:** Bachelor (B)

**Length:** 7 weeks

**Prerequisites:** This course is only available to students who have completed at least two years of a Nursing programme in their home countries. Contact the Department of Health Sciences for further information.

**ECTS credits:** 10,5 ECTS
Swedish Language and Culture I Ba (A), 7.5 ECTS
Department of Humanities
Campus: Härnösand, Sundsvall and Östersund
Description: This course is intended for international students studying at Mid Sweden University, for one or two semesters. The course aims at providing an introduction to Swedish language and literature, as well as to Swedish culture and society. The students are expected to practice their skills in spoken and written Swedish. This course is sometimes offered at Campus Härnösand, Campus Sundsvall and Campus Östersund, but only if resources are available.
Code: SVEX04
Level: Bachelor (A)
Length: Autumn semester: part-time, periods 1-4. Spring semester: part-time, periods 5-8
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7.5

Swedish Language and Culture II Ba (A), 7.5 ECTS
Department of Humanities
Campus: Härnösand, Sundsvall and Östersund
Description: This course is a continuation of the course Swedish Language and Culture I and aims at providing the students with further knowledge about the Swedish language and literature. The students are expected to practice their skills in spoken and written Swedish. The students on this course may be divided into two groups, depending on previous knowledge of Swedish. This course is sometimes offered at Campus Härnösand, Campus Sundsvall and Campus Östersund, but only if resources are available.
Code: SVEX05
Level: Bachelor (A)
Length: Autumn semester: part-time, periods 1-4. Spring semester: part-time, periods 5-8
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7.5

English Ba (A), 30 ECTS
Department of Humanities
Campus: Östersund
Description: The course is designed to enable students to improve their use of written and spoken English and broaden their knowledge of literature and socio-cultural conditions in various English speaking countries. This course is a distance education course!
Code: ENAA20
Level: Bachelor (A)
Prerequisites: At least one year of successfully completed full-time studies at university level and a good qualification in English from upper-secondary school.
ECTS credits: 30

Psychology Ba (C), 30 ECTS
Department of Social Sciences
Campus: Östersund
Description: The contents of this course are divided in three parts.
1) Research Methods, 5 credit points. The course aims at enabling students to use and understand advanced statistical methods such as multiple regression analysis, analysis of variance and factor analysis.
2) Specialization, 5 credit points. The student chooses an area within psychology and studies it individually.
3) Degree Essay, 10 credit points. The student chooses a research problem, plans and conducts an empirical study for investigation and writes a scientific report and defends it publicly.
Code: PSYC65
Level: Bachelor (C)
Length: Autumn semester: full-time, periods 1-4.
Prerequisites: At least one year of successfully completed full-time studies in psychology at university level.
ECTS credits: 30
Sociology Ba (C), 30 ECTS
Department of Social Sciences
Campus: Sundsvall/Östersund
Description: The aim of the course is to strengthen the participants’ analytical abilities and increase their knowledge of modern sociological theories and research methods. The course is divided into three parts:
1. Sociological analysis and method (7.5 ECTS): The aim of the subcourse is to provide deeper knowledge of sociological research traditions and skills in the use of different sociological methods.
2. Contemporary theoretical discourse (7.5 ECTS): A minor part of the subcourse is common to all participants, and consists of the reading and discussion of advanced sociological theory. The remaining part of the subcourse is divided into a number of different theoretical themes for the students to choose between. The content of the themes may vary between different semesters, depending on the areas of specialisation of the teachers.
3. Individual essay (15 ECTS): Each student carries out and reports, a scientific study. The writing of the essay is supervised by a teacher.
Code: SOAC03
Level: Bachelor (C)
Length: Autumn semester: full-time, period 1-4
Prerequisites: One year of successfully completed full-time studies in sociology at university level.
ECTS credits: 30

Sociology Ma, Introduction to Advanced Studies in the Social Sciences, 7.5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: This course gives an introduction to studies in social science at an advanced level. The main issues dealt with are theory of science, history of science and ethical problems related to social science research.
Code: XX001
Level: Master
Length: Autumn semester: full-time, period 1
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 7.5

Sociology Ma, Organization Analysis, 7.5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: This course deals with prerequisites and limitations regarding organizations’ capacity for rational action. Organizations are created in order to function as instruments for the fulfilment of certain goals and tasks. The notion of organizations as instruments is, however, problematic in several ways. A number of aspects related to organizational rationality, such as decision-making in organizations, organizational change, and the relationship between organisations and environment, are dealt with during the course.
Code: XX002
Level: Master
Length: Autumn semester: full-time, period 2
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 7.5

Sociology Ma, Sociological Theory, 7.5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: This course provides a deeper knowledge in general sociological theory, and a problem-oriented discussion of a number of central concepts. Each participant is also given the opportunity to specialise in a specific area of interest.
Code: XX003
Level: Master
Length: Autumn semester: full-time, period 3
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 7.5

Sociology Ma, Research Methods, 7.5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: In this course multivariate statistical methods, such as regression analysis and factor analysis, are studied and applied. Qualitative methods are studied at an advanced level, regarding, e.g., individual and group interviews.
Code: XX004
Level: Master
Length: Autumn semester: full-time, period 4
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 7.5

Master in Human Resources, 60 ECTS
Department of Social Sciences
Campus: Östersund
Description: The Master programme in Human Resources focuses on issues related to Human Resources and Human Resource Management. The programme has two main subjects, psychology and sociology. The student gets a
major in one of the subjects, but gets an orientation in both. In psychology environmental and organisational psychology is stressed, and in sociology the emphasis is on entrepreneurship, organisational theory and organisational risk management. During the last course of the programme each participant, independently but under supervision of a teacher, carries out a scientific study. The results are presented in a scientific thesis.

**Code:** XX019  
**Level:** Master  
**Length:** One year starting Autumn semester 2007, full-time  
**Prerequisites:** Bachelor degree with a major in sociology  
**ECTS credits:** 60

**Master in Sociology, 60 ECTS**  
**Department of Social Sciences**  
**Campus:** Sundsvall and Östersund  
**Description:** The Master programme in Sociology focuses on issues related to Human Resources. The programme begins with an introduction to studies in social science at an advanced level. The main issues dealt with are theory of science, history of science and ethical problems related to social science research. The courses in sociology focus on entrepreneurship, organisational theory and organisational risk management. During the last course of the programme each participant, independently but under supervision of a teacher, carries out a scientific study. The results are presented in a scientific thesis.

**Code:** XX005  
**Level:** Master  
**Length:** One year starting Autumn semester 2007, full-time  
**Prerequisites:** Bachelor degree with a major in sociology  
**ECTS credits:** 60

**Master in Sociology, 120 ECTS**  
**Department of Social Sciences**  
**Campus:** Sundsvall and Östersund  
**Description:** The Master programme in Sociology focuses on issues related to Human Resources but the student has the opportunity to individually choose between courses in sociology on an advanced level. The programme begins with an introduction to studies in social science at an advanced level. The main issues dealt with are theory of science, history of science and ethical problems related to social science research. The courses in sociology focus on entrepreneurship, organisational theory and organisational risk management, but there are also courses in social theory, social psychology and research methods. During the last course of the programme each participant, independently but under supervision of a teacher, carries out a scientific study. The results are presented in a scientific thesis.

**Code:** XX006  
**Level:** Master  
**Length:** Two years starting Autumn semester 2007, full-time  
**Prerequisites:** Bachelor degree with a major in sociology  
**ECTS credits:** 120

**Jurisprudence Ba (A), An Introduction to Swedish Criminal Law, 7.5 ECTS**  
**Department of Social Sciences**  
**Campus:** Sundsvall/Östersund (Internet)  
**Description:** The purpose of this course is to study the basic theories, general principles, crimes and sentences within the Swedish penal law. Criminal cases from the Swedish courts will also be studied and analyzed. The course is offered by internet. The participants must therefore have access to internet. During the course there will be two meetings including lectures, seminars and group exercises. They will take room on weeks 46 and 50. Participation in the meetings is not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact the administrative staff for examination arrangements.

**Code:** RVAA18  
**Level:** Bachelor (A)  
**Length:** Autumn semester, part time period 3-4  
**Prerequisites:** 15 ECTS in Jurisprudence  
**ECTS credits:** 7,5

**Jurisprudence Ba (A), International Law, 7,5 ECTS**  
**Department of Social Sciences**  
**Campus:** Sundsvall/Östersund (Internet)  
**Description:** The purpose of this course is to learn about the basic principles and general content of the system of public international law. In connection with online distance learning, the students are encouraged to learn how to find and deal with international cases as well as materials. The course is only offered by internet. The participants must therefore have access to internet. During the course there will be three meetings. Participation in the meetings will be compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write
the examination at another university. In such case, the student is responsible to contact the administrative staff for examination arrangements.

**Code:** RVAA14  
**Level:** Bachelor (A)  
**Prerequisites:** At least one semester of successful studies at university level.  
**Length:** Autumn semester, part time, period 1-2  
**ECTS credits:** 7,5

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**Jurisprudence Ba (A), International Projects with Police Reforms, 7,5 ECTS**  
Department of Social Sciences  
**Campus:** Östersund/Sundsvall (internet)  
The purpose of the course is to in a national and international connection implement work of the police which is carried out or will be carried out abroad. Except international law, human rights and humanitarian law other relevant international agreement and cases will be dealt with. The course includes non-compulsory lectures, seminars and group work on Campus Sundsvall w. 36 and 40. The course is also given by Internet. There is an obligatory written examination at the Mid Sweden University in week 40. It may also be carried out at another university or if the student is abroad, at an embassy or university. In such cases the student must get in contact with the administrative personal for arrangements. After the examination the students will work individually or in group of not more than three persons with a project which will be presented at an obligatory seminar on Campus Sundsvall or by visual internet.

**Code:** RÄ015G  
**Level:** Bachelor (A)  
**Length:** Autumn semester, part time period 3-4  
**Prerequisites:** Introductory course in Law, or the equivalence of a police degree.  
**ECTS credits:** 7,5

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**Jurisprudence Ba (A), International Criminal Law I, 7,5 ECTS**  
Department of Social Sciences  
**Campus:** Östersund/Sundsvall (internet)  
The aim of the course is to give the students fundamental global knowledge in international criminal law, what it consists of and how it may be used. During the course will e.g. international law and fundamental principles and doctrin within international criminal law be studied.  
The course is by Internet and has two non-compulsory meeting with lectures, seminars and group exercises at Campus Sundsvall. The only compulsory is part is a written examination at the Mid Sweden University. The student may also write the examination at another university but must then get in contact with the administrative personal for arrangements.

**Code:** RÄ023G  
**Level:** Bachelor (A)  
**Length:** Autumn semester, part time period 1-2  
**Prerequisites:** At least one year of successful studies at university level.  
**ECTS credits:** 7,5

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**Jurisprudence Ba (C), Theory of Law, 7,5 ECTS**  
Department of Social Sciences  
**Campus:** Östersund  
**Description:** The purpose of the course is to study different theories of jurisprudence in a national, regional as well as in an international perspective.

**Code:** RÄ020G  
**Level:** Bachelor (C)  
**Length:** Autumn semester, full time period 1  
**Prerequisites:** 22,5 ECTS from A- and B-course in Jurisprudence, or the equivalence.  
**ECTS credits:** 7,5
Jurisprudence Ba (C), Method of Jurisprudence, 7,5 ECTS
Department of Social Sciences
Campus: Östersund
Description: The purpose of the course is to study the method of jurisprudence. It means a closer investigation of its content inclusive different kinds of material. Even other methods within the area of social sciences will be considered. The examination of the method of jurisprudence will also be the fundamental base for an essay of degree in jurisprudence.
Code: RÄ021G
Level: Bachelor (C)
Length: Autumn semester, full time period 2
Prerequisites: 22,5 ECTS from A- and B-course in Jurisprudence, or the equivalence.
ECTS credits: 7,5

Jurisprudence Ba (C) Essay of Degree, 15 ECTS
Department of Social Sciences
Campus: Östersund
Description: During the course the student will under supervision write an essay of degree in jurisprudence. It has to be defended at a seminar. The student is also under obligation to be an opponent on another student’s essay of degree.
Code: RÄ022G
Level: Bachelor (C)
Length: Autumn semester, full time period 3-4
Prerequisites: 22,5 ECTS from A- and B-course in Jurisprudence, or the equivalence.
ECTS credits: 15

Political Science Ba (A), International Politics, 7,5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: This course focuses on the organization of the system of international politics; its actors/operators, instruments and arenas for action. The dominating theories within the area are presented. These courses may well be combined with courses from the Department of Information Technology and Media. For more information, please contact by e-mail: Monica.Bogataj@miun.se.
Code: SKAA12
Level: Bachelor (A)
Length: Autumn semester: full time period 4
Prerequisites: At least one year of successfully completed full-time studies at university level.
ECTS credits: 7,5

Human Geography Ba (C), Method in Human Geography, 7,5 ECTS
Department of Social Sciences
Campus: Östersund
Description: The course gives deeper knowledge in geographical methods. Special attention is given to the ability to identify geographical problems and to approach and study these problems.
Code: KGAC62
Level: Bachelor (C)
Length: 5 weeks
Prerequisites: Human Geography A- and B-level, or equivalent qualifications
ECTS credits: 7,5

Human Geography Ba (C), Thematic Studies, 7,5 ECTS
Department of Social Sciences
Campus: Östersund
Description: This course gives the opportunity to choose individual study areas in Human Geography also as a preparation for the final essay.
Code: KGAC63
Level: Bachelor (C)
Length: 5 weeks
Prerequisites: Human Geography A- and B-level, or equivalent qualifications
ECTS credits: 7,5
Human Geography Ba (C), Social and Economic Geography, Essay, 15 ECTS
Campus: Östersund
Description: The purpose of the course is to give qualified experience to independently develop and explore a problem area in Human Geography and through theoretical and empirical studies analyse this area. The results are presented in a paper and defended at a seminar.
Code: KGAC61
Level: Bachelor (C)
Length: 10 weeks
Prerequisites: Human Geography A-, B- and C-level (10 points), or equivalent qualifications
ECTS credits: 15

Master in Human Geography, Focusing on Tourism, 60 ECTS
Department of Social Sciences
Campus: Östersund
Description: This one-year master in Human Geography concentrates on tourism and travel. The first term focuses central processes and concepts regarding, tourism research and sustainable nature- and culture based tourism. The second term starts with the theory of science and research methods and ends with a bachelor thesis.
The program is given in collaboration with the European Tourism Research Institute (ETOUR) at the Mid Sweden University. Together with Sports Science and Adventure Technology, tourism is one of the profile areas that is given priority to at the University.
The Master in Human Geography gives you the possibility to continue working for a doctor's degree afterwards, or search worldwide for a tourism job. Welcome to the Master in Human Geography in one of Sweden's most prominent tourism areas – Östersund and the County of Jämtland.
The master program consists of the following courses:
Year 1: Tourism Research 15 ECTS, Sustainable Nature & Culture Based Tourism 15 ECTS, Scientific Work, Theory and Methodology 15 ECTS, Thesis 15 ECTS
Code: XX019
Level: Master
Length: One year, starting fall semester 2007
Prerequisites: Competence: B.A. degree, 90 ECTS in Human Geography, or similar exam.
ECTS credits: 60

Master in Tourism, 120 ECTS
Department of Social Sciences
Campus: Östersund
Description: The Master in Tourism program concentrates on Destination Development, including nature- and culture resources and the challenges of the experience society. An internship is included in the program, so that practical experiences in the tourism sector can be collected. You thereby have the possibility to make important contacts and get an insight in companies and organisations. The program ends with a master thesis.
The Master in Tourism Program in Östersund gives you access to qualified tourism jobs all over the world, including tourism companies and tourism organisations. The program is given in close collaboration with the European Tourism Research Institute (ETOUR) at the Mid-Sweden University. Together with Sports Science and Adventure Technology, tourism is one of the profile areas that is given priority to at the University.
The Master Program offers you the possibility to collect practical experiences, or to carry out parts of your studies abroad. Welcome to the Tourism Management Program in one of Sweden’s most prominent tourism areas – Östersund and the County of Jämtland.
The master program consists of the following courses:
Year 1: Tourism Research 15 ECTS, Sustainable Nature & Culture Based Tourism 15 ECTS, Scientific Work, Theory and Methodology 15 ECTS, Tourism in the Experience Society, 15 ECTS
Year 2: Advanced Destination Development – Designing for Tourism 30 ECTS, Practice – Work as a Trainee 15 ECTS, Master Thesis 15 ECTS.
Code: XX020
Level: Master
Length: Two years, starting fall semester 2007
Prerequisites: B.A. degree, 90 ECTS in Human Geography, or similar exam.
ECTS credits: 120
Business Administration Ba (C), Organisation and Leadership, 7,5 ECTS
Department of Social Sciences
Campus: Östersund
Description: Topics to be covered during this course
- The concept of organizational culture
- Culture as metaphor and metaphors for culture
- Organizational culture and performance
- Organizational culture and business administration
- Scandinavian management and organizational culture
- Culture as constraint: An emancipatory approach
- Multilevel shaping and ambiguity of culture
Code: FOAC53
Level: Bachelor (C)
Length: Autumn semester: full-time, period 1
Prerequisites: At least two years of successfully completed full-time studies at university level, of which two semesters of courses in business administration.
ECTS credits: 7,5

Business Administration Ba (C), International Relationship Marketing, 7,5 ECTS
Department of Social Sciences
Campus: Östersund
Description: The purpose of this course is to learn about
- The internationalization process of companies, and their establishment in foreign markets.
- Cultural differences and problems in international marketing
- The importance of personal relationships in international business.
- International business negotiations.
- Doing business in the global market.
Code: FOAC52
Level: Bachelor (C)
Length: Autumn semester: full-time, period 2
Prerequisites: At least two years of successfully completed full-time studies at university level, of which two semesters of courses in business administration.
ECTS credits: 7,5

Business Administration Ba (C), Individual Essay, 15 ECTS
Department of Social Sciences
Campus: Östersund
Description: The student will choose, define, study, report and defend an individual study based on scientific process within the discipline of business administration.
Code: FEKC82

Level: Bachelor (C)
Length: Autumn semester: full time, period 3-4
Prerequisites: At least two years of successfully completed full-time studies at university level, including two semesters of Business Administration.
ECTS credits: 15

Business Administration Ma (D), The foundations of entrepreneurship, 7,5 ECTS
Department of Social Sciences
Campus: Östersund
Description: The course involves participating in the daily work in a small company. The student gets opportunities to take an active part in the environment which is the everyday life of the small entrepreneur. This can mean anything from unpacking boxes to developing a market calculation or to analyze a business offer. The student participates in the daily businesses, listens to discussions, and converses with the entrepreneur and the employees. From these influences – combined with insights from course literature – the students is then supposed to write a paper where he or she reflects around the entrepreneurial work and how the entrepreneur runs his or her company forward.
The aim of the course is to give:
- a deeper understanding of the significance of entrepreneurship for individuals, single companies, as well as for the local community,
- a developed ability to independently map out innovative activities with the help of business administration theories.
The student should be able to scrutinize and value different perspectives in entrepreneurship and small business and to analyze consequences of these theories in different organizations.
The core topics will be covered by introducing lectures, company study, a series of literature seminars and guest lectures.
The examination is based on written and oral presentation of company study, active participation in seminars and a written exam. Participation in lectures, company study, and literature seminars is mandatory.
Code: FOAD07
Level: Master (D)
Length: Autumn semester: full time, period 1
Prerequisites: At least two years of successfully completed fulltime studies at university level, including two semesters of Business Administration.
ECTS credits: 7,5
Business Administration Ma (D), Research Methods for Business Students, 7.5 ECTS
Department of Social Sciences
Campus: Östersund
Description: The main objective of this course is to provide fundamental knowledge in different research methods; to prepare the course candidate to successfully carry out the formulation and investigation of a research question in business administration. Issues to be covered are:
- The obtainment of a practical overview of diverse research methods
- The independent formulation of a theoretical and practical research question.
- The development of a research methodology to apply in own master thesis.
The candidate will have to present parts of his/her own planned research design (master thesis outline) at seminaries, as the course proceeds.
Contents; the course is designed to offer deeper knowledge, understanding and necessary skills to conduct a piece of business research, i.e. a master thesis. The idea is to provide a practical overview of several research methods; and exemplify how these methods can be applied to research problems in business administration concerning the collection and analysis of data. Candidate, after completing this course, will be able to understand diverse research techniques, and when and how, to use them to better practice data analysis. The course involves “hands-on” application of the statistical techniques in a lab setting.
Code: FÖAD15
Level: Master (D)
Length: Autumn semester: full time, period 2
Prerequisites: A minimum of 100 points (Swedish point-unit)/150 ECTS in courses in Business Administration. Included at the advanced, C-level, a minimum of 20 points/30 ECTS, counting a Bachelor’s thesis or equivalent.
ECTS credits: 7.5

Business Administration Ma (D), Individual Essay, 15 ECTS
Department of Social Sciences
Campus: Östersund
Description: The main objective of this course is to train course candidate in:
a) a scientific approach to seeking, choosing, processing and evaluating scientific research, facts, information and selected literature in the field of business administration,
b) critically scrutinizing theories, models and scientific methods
c) equally verbally and in print (as both defender and discussant) communicating in a scientifically correct manner; logically, objectively and stringently.
By so doing, acquire in-depth knowledge within a particular subject area.
Contents: A 10-credit thesis requires ten weeks study at university level. What distinguishes a master thesis from a bachelor thesis is that, the master thesis has excessive quality requirements. It shall meet requirements of scientific content; research methodology; and academic format and linguistic presentation. That encounters among others requirements of strong evidence of original thinking; good organisation; capacity to analyse and synthesise; superior grasp of subject matter with sound critical evaluations; evidence of extensive knowledge base. Furthermore, the candidate should train himself/herself in evaluating the current state of knowledge, and finding, identifying and describing scientific research needs, thereby relating to the creation of new scientific knowledge.
Code: FÖAD16
Level: Master (D)
Length: Autumn semester: full time, period 3-4
Prerequisites: A minimum of 100 points (Swedish point-unit)/150 ECTS in courses in Business Administration. Included at the advanced, C-level, a minimum of 20 points/30 ECTS, counting a Bachelor’s thesis or equivalent.
ECTS credits: 15

Economics Ba (C) 30 ECTS
Department of Social Sciences
Campus: Östersund
Description: The contents of the course are divided into three parts:
1. Macroeconomics with Money and Banking, 7.5 ECTS.
The course gives an introduction to studies in finance in general and financial markets specifically the course covers important issues to the conduct of monetary policy, monetary targeting and inflation targeting, the behaviour of interest rates, and the foreign exchange market. After an introduction of basic concepts the financial markets, the banking firm and the management of financial institutions, structure of the banking system, and banking regulation is analysed. Further, the structure of central banks, and an overview of banking in industrialised countries follows. Finally, tools of Monetary policy, Monetary policy strategy, Money and inflation, theory of rational expectation and market efficiency is treated.
2. The Theory of Production and Economics
Computer Engineering Ba, Wireless Internet Access, 7.5 ECTS
Department of Information Technology and Media
Campus: Internet
Description: Wireless Internet Access is currently in a strong expansion phase as a continuation of mobile phones and Internet connections. The course is involved with wireless networks (WLAN) and Internet access through the mobile telephone network.
Code: DT072G
Level: Bachelor
Duration/study rate: Autumn 07 (Sep. 03 - Jan. 20th) / 25%
Prerequisites: 22.5 ECTS points from Computer Engineering courses at basic level, including the course Computer Networks (7.5 ECTS points) or equivalent, 7.5 ECTS points from courses in Mathematics.
ECTS credits: 7, 5

Computer Engineering Ba, Network Security, 7.5 ECTS
Department of Information Technology and Media
Campus: Internet
Description: The course is about protocols, architectures and applications used today in the Internet to protect the users and networks from different kinds of threats. The students will get a basic understanding of the protocols used for encryption, authentication and authorization, as well as knowledge in building networks that are protected from various types of attacks. Tools and different ways to attack a network will be studied with a goal to understand better the issues of network management and security.
Code: DT116G
Level: Bachelor
Duration/study rate: Autumn 07, Per. 1 - 4 (Sep. 3rd - Nov.4th) / 50%;
Prerequisites: 15 ECTS points from Computer Engineering courses at basic level, including the course Computer Networks (7.5 ECTS points).
ECTS credits: 7, 5

Computer Engineering Ba, (Unix) System and Network Administration, 7.5 ECTS
Department of Information Technology and Media
Campus: Internet, Sundsvall
Description: There are several distinct tasks for offering Internet services. The course is focused upon administration of various network and information services which is in essence different from the traditional system
administration especially from the aspect of producing information.

**Code:** DT056G  
**Level:** Bachelor  
**Duration/study rate:** Autumn 07, Per. 3 - 4 (Nov. 5th - Jan. 20th) / 50%; Autumn 07, Per. 3 - 4 (Nov. 5th - Jan. 20th) / 50%  
**Prerequisites:** At least one year of successfully completed full-time studies at university level, including 30 ECTS points from courses in Computer Engineering at basic level.  
**ECTS credits:** 7, 5

**Computer Engineering Ba, Object Oriented Programming in Java, 7,5 ECTS**  
Department of Information Technology and Media  
**Campus:** Internet; Sundsvall  
**Description:** Object oriented programming works primarily with things like classes and objects. The course deals with the creation of manageable programs through the object-oriented paradigm based on real life problems.  
**Code:** DT021G  
**Level:** Bachelor  
**Duration/study rate:** Autumn 07 Per. 3- 4 (Nov. 5th - Jan. 20th) / 50%; Spring 08, Per. 5 - 8 (Jan. 21st - June 8th) / 25%; Autumn 07, Per. 1 - 2 (Sep. 3rd - Nov.4th) / 50%  
**Prerequisites:** 15 ECTS points from courses in Computer Engineering at basic level, including the course Introductory Programming in Java (7,5 ECTS points) or Object Oriented Programming in C++ (7,5 ECTS points) or equivalent.  
**ECTS credits:** 7, 5

**International Master in Ecotechnology and Sustainable Development, 120 ECTS**  
Department of Engineering, Physics and Mathematics  
**Campus:** Östersund  
**Description:** The program aims to build and strengthen the competence needed for a holistic approach towards sustainable development, through an efficient use of natural resources. Interdisciplinary studies on society-resources-environment are combined with advanced methods and approaches to identify and describe issues and possible solutions within the complex framework of sustainable development.  
**Code:** 75907  
**Level:** Master  
**Length:** 2 years full-time studies, starting autumn semesters  
**Prerequisites:** University degree of 180 ECTS credits that includes at least 45 ECTS (1,5 full semesters) of environmental science/environmental technology or equivalent academic qualifications. Applicants must also have proven proficiency in English language.  
**Degree:** Master’s degree in Environmental Science  
**ECTS credits:** 120
Social work in a Swedish and global context Ba (B), 15 ECTS
Department of Social Work
Campus: Östersund
Description: Through a set of modules the course mainly presents different aspects of social work in Sweden. Content may differ from one semester to another. Example of modules that could appear on the course: Human rights and Public Law in Sweden, Addictions, International social work, Intercultural social work, Community work, Gender and social work, Social services in Sweden. There will be lectures, seminars and study visits to social services, NGO’s and so on. The students are supposed to produce several working papers and will be examined through an essay presented at a seminar.
Code: SAAB23
Level: Bachelor (B)
Length: Period to be planned with lecturer directly on arrival. Contact department to secure dates.
Prerequisites: At least one year of successfully completed full-time studies at university level, of which one semester social work.
ECTS credits: 15

Social work Ba, Field practice placement
Department of Social Work
Campus: Östersund
Can be offered only in limited extent depending on language conditions. More information contact Magnus.Ottelid@miun.se
Code: XX
Level: Bachelor

Nursing Placement and Nursing Care Ba (B), 18 ECTS
Department of Health Sciences
Campus: Sundsvall and Östersund
Description: The aims of the course are that students should:
- deepen their knowledge and understanding of Nursing Care
- be given opportunities to apply the knowledge they have gained, practice new skills and increase their self-awareness.
The course is based on individualized teaching and learning.
Code: OMAB23
Level: Bachelor (B)
Length: 12 weeks
Prerequisites: This course is only available to students who have completed at least two years of a Nursing programme in their home countries. Contact the Department of Health Sciences for further information.
ECTS credits: 18 ECTS

Nursing Placement and Nursing Care Ba (B), 10,5 ECTS
Department of Health Sciences
Campus: Sundsvall and Östersund
Description: The aims of the course are that students should:
- deepen their knowledge and understanding of Nursing Care
- be given opportunities to apply the knowledge they have gained, practice new skills an015d increase their self-awareness.
The course is based on individualized teaching and learning.
Code: OMAB22
Level: Bachelor (B)
Length: 7 weeks
Prerequisites: This course is only available to students who have completed at least two years of a Nursing programme in their home countries. Contact the Department of Health Sciences for further information.
ECTS credits: 10,5 ECTS
**Swedish Language and Culture I Ba (A), 7,5 ECTS**
Department of Humanities
**Campus:** Härnösand, Sundsvall and Östersund
**Description:** This course is intended for international students studying at Mid Sweden University, for one or two semesters. The course aims at providing an introduction to Swedish language and literature, as well as to Swedish culture and society. The students are expected to practice their skills in spoken and written Swedish. This course is sometimes offered at Campus Härnösand, Campus Sundsvall and Campus Östersund, but only if resources are available.
**Code:** SVEX04
**Level:** Bachelor (A)
**Length:** Autumn semester: part-time, periods 1-4. Spring semester: part-time, periods 5-8
**Prerequisites:** At least one year of successfully completed full-time studies at university level.
**ECTS credits:** 7.5

**Swedish Language and Culture II Ba (A), 7,5 ECTS**
Department of Humanities
**Campus:** Härnösand, Sundsvall and Östersund
**Description:** This course is intended for international students studying at Mid Sweden University for one or two semesters. The course is a continuation of the course Swedish Language and Culture I and aims at providing the students with further knowledge about the Swedish language and literature. The students are expected to practice their skills in spoken and written Swedish. The students on this course may be divided into two groups, depending on previous knowledge of Swedish. This course is sometimes offered at Campus Härnösand, Campus Sundsvall and Campus Östersund, but only if resources are available.
**Code:** SVEX05
**Level:** Bachelor (A)
**Length:** Autumn semester: part-time, periods 1-4. Spring semester: part-time, periods 5-8
**Prerequisites:** At least one year of successfully completed full-time studies at university level and completion of the course Swedish Language and Culture I or similar.
**ECTS credits:** 7.5

**English Ba (A), 30 ECTS**
Department of Humanities
**Campus:** Östersund
**Description:** The course is designed to enable students to improve their use of written and spoken English and broaden their knowledge of literature and socio-cultural conditions in various English-speaking countries. This course is a distance education course!
**Code:** ENAA20
**Level:** Bachelor (A)
**Length:** Autumn semester: full-time, distance-learning, periods 1-4. Spring semester: full time, distance learning, periods 5-8.
**Prerequisites:** At least one year of successfully completed full-time studies at university level and a good qualification in English from upper-secondary school.
**ECTS credits:** 30

**Psychology Ma, Change and Development in Working Life, 7.5 ECTS**
Department of Social Sciences
**Campus:** Östersund
**Description:** The focus of this course is to provide knowledge about behaviour change within the working life and the content is threefold: (a) review of behaviour change models (b) introduction to different methods of intervention in working life conditions and. (c) a review of the empirical support for different models of interventions in working life.
**Code:** PS018A
**Level:** Advanced level
**Length:** spring semester: full-time period 1.
**Prerequisites:** Bachelor in Social Sciences with 90 ECTS in Psychology.
**ECTS credits:** 7.5

**Psychology Ma, Stress – Effects on Creativity, Decision-making and...**
Productivity, 7,5 ECTS
Department of Social Sciences
Campus: Östersund
Description: The course provides knowledge about how stress in the working life influence and relates to psychosocial and organizational factors such as social relations, social support, cooperation and leadership. In addition, the impact of stress upon creativity and decision making is elucidated thus giving a background to an understanding of how the effectively and productivity of an organization can be influenced.
Code: PS020A
Level: Advanced level
Length: spring semester: full-time period 2
Prerequisites: Bachelor in Social Sciences with 90 ECTS in Psychology.
ECTS credits: 7.5

Psychology Ma, Thesis, 15 ECTS
Department of Social Sciences
Campus: Östersund
Description: The student chooses a research problem, plans and conducts an empirical study for investigation and writes a scientific report and defends it publicly.
Code: PS021A
Level: Advanced level
Length: spring semester: full-time period 3-4
Prerequisites: Bachelor in Social Sciences with 90 ECTS in Psychology.
ECTS credits: 15

Sociology Ma (D), 30 ECTS
Department of Social Sciences
30 ECTS
Campus: Östersund
Description: The aim of the course is to deepen the participants' analytical abilities and increase their knowledge of modern sociological theories and research methods.
The course is divided into three parts:
1. Specialised subcourse in sociological theory (7,5 ECTS): A minor part of the subcourse is common to all participants, and consists of the reading and discussion of advanced sociological theory. For the remaining part of the subcourse, each participant specialises in an individually chosen topic, and is required to write a literature review.
2. Research design and research ethics (7,5 ECTS): The participants discuss methodological issues and various philosophical and ethical dilemmas at an advanced level.
3. Individual essay (15 ECTS): Each student carries out and reports, a scientific study. The writing of the essay is supervised by a teacher.

Code: SOCD60
Level: Master (D)
Length: Spring semester: full-time, period 1-4
Prerequisites: Sociology C 20 points or equivalent to a bachelor's degree in Sociology
ECTS credits: 30

Sociology Ma, Leadership and Entrepreneurship, 7,5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: In this course different general styles and processes of management are described and, more specifically, the entrepreneur as leader is analysed. The creation, management and development of organizations by entrepreneurs are studied.
Code: XX012
Level: Master
Length: Spring semester: full-time, period 1
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 7,5

Sociology Ma, Risk Management and Risk Communication, 7,5 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: This course provides deeper knowledge of theories of risk and risk communication, specifically regarding organizational aspects, and risk perceptions of different population groups. These theoretical insights are combined with practical applications at different organizational and societal levels, regarding management and communication of risks in organizations and their environments.
Code: XX013
Level: Master
Length: Spring semester: full-time, period 2
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 7,5
Sociology Ma, Thesis, 15 ECTS
Department of Social Sciences
Campus: Sundsvall and Östersund
Description: During this course each participant, independently but under supervision of a teacher, carries out a scientific study. The results are presented in a scientific thesis.
Code: XX014
Level: Master
Length: Spring semester: full-time, period 3–4
Prerequisites: Bachelor degree with a major in sociology
ECTS credits: 15

Jurisprudence Ba (A), International Law, 7,5 ECTS
Department of Social Sciences
Campus: Sundsvall/Östersund (Internet)
The purpose of this course is to learn about the basic principles and general content of the system of public international law. In connection with online distance learning, the students are encouraged to learn how to find and deal with international cases as well as materials. The course is only offered by internet. The participants must therefore have access to internet. During the course there will be three meetings. Participation in the meetings are not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact the administrative staff for examination arrangements.
Code: RVAA14
Level: Bachelor (A)
Prerequisites: At least one semester of successful studies at university level.
Length: Spring semester, full time, period 3
ECTS credits: 7,5

Jurisprudence Ba, Human Rights, 7,5 ECTS
Institution of Social Sciences
Campus: Sundsvall/Östersund (Internet)
The purpose of the course is to give a picture from the basic theories of international human rights. The course also deals with the development of conventions governing human rights norms including the practice with due regard to civil and criminal aspects. The course also considers the different perspectives for the appropriate implementation of human rights norms in the practice of states.
The course is offered by internet. The participants must have therefore access to internet. During the course there will be two meetings including lectures, seminars and group exercises. They will take room on weeks 4 and 7. Participation in the meetings is not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact with the administrative personals for examination’s arrangements.
Code: RVAA21
Level: Bachelor (A)
Length: Spring semester: full-time, period 4
Prerequisites: At least one semester of successful studies at University level.
ECTS credit: 7,5

Jurisprudence Ba, The United Nations, 7,5 ECTS
Institution of Social Sciences
Campus: Sundsvall/Östersund (Internet)
The purpose of the course is to create a fundamental understanding of the role of the United Nations in international law and to study the function of the system of international law in connection with states, organisations, groups and individual in international relations.
The course is offered by internet. The participants must have therefore access to internet. During the course there will be two meetings including lectures, seminars and group exercises. They will take room on weeks 8 and 13. Participation in the meetings is not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact with the administrative personals for examination’s arrangements.
Code: RVAA19
Level: Bachelor (A)
Length: Spring semester: Part-time, period 1-2
Prerequisites: 7,5 ECTS in Jurisprudence.
ECTS credit: 7,5

Jurisprudence Ba, International Criminal Justice, 7,5 ECTS
Institution of Social Sciences
Campus: Sundsvall/Östersund (Internet)
The purpose of the course is to analyze the evolution and development of the international criminal and procedural law from different aspects including the practice at national and international courts.
The course focuses on different theories within the two areas of jurisprudence. During the course, we will also analyse if the heart of the international
criminal law governing the international criminal justice functions appropriately with due regard to international criminal conventions and human rights. The question will also be raised if states may use the machinery of international criminal law for their own purposes. The course is offered by internet. The participants must have therefore access to internet. During the course there will be two meetings including lectures, seminars and group exercises. They will take room on weeks 13 and 18. Participation in the meetings is not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact with the administrative personals for examination’s arrangements.

**Code:** RVAA20  
**Level:** Bachelor (A)  
**Length:** Spring semester: part-time, period 3-4  
**Prerequisites:** 15 ECTS in Jurisprudence.  
**ECTS credit:** 7.5

**Jurisprudence Ba, Protection of the Subjects of National and International Criminal Courts, 7.5 ECTS**  
**Institution of Social Sciences**  
**Campus:** Sundsvall/Östersund (Internet)  
**Description:** This course provides a basic knowledge relating to the protection of the subjects of national and international criminal courts constituting one of the most serious questions within various legal systems. These include the rules of the protection and the rights of victims, accused, witness and convicted in national and international penal- and penal procedural law. The course is offered by internet. The participants must have therefore access to internet. During the course there will be two meetings including lectures, seminars and group exercises. They will take room on weeks 19 and 23. Participation in the meetings is not compulsory. There will, however, be a compulsory written examination at the Mid Sweden University. The students may also write the examination at another university. In such case, the student is responsible to contact with the administrative personals for examination’s arrangements.

**Code:** RVAA17  
**Level:** Bachelor (A)  
**Length:** Spring semester: part-time, period 3-4  
**Prerequisites:** 15 ECTS in Jurisprudence.  
**ECTS credit:** 7.5

**Political Science Ba (A), European Integration, 7.5 ECTS**  
**Department of Social Sciences**  
**Campus:** Östersund  
**Description:** The course focus on the European integration process, particularly the European Union. Different institutions involved in the policy making process are studied. We also take an interest in how the integration process in Europe affects national political systems, with a particular focus on Central and Eastern European transition.

**Code:** SKAA29  
**Level:** Bachelor (A)  
**Length:** Spring semester, full-time, period 7  
**Prerequisites:** At least one year of successfully completed full-time studies at university level.  
**ECTS credits:** 7.5

**Political Science Ba (A), Regionalism in Europe Regionalism, 7.5 ECTS**  
**Department of Social Sciences**  
**Campus:** Östersund  
**Description:** Regionalisation in Europe is studied during this course, with a particular focus on the consequences of regionalisation on the integration process in Europe. Could regional integration and globalisation be seen as to sides of the same process? This question is being discussed and analysed during the course. Regionalisation in Europe is also contrasted to regionalisation in other parts of the world.

**Code:** SKAA28  
**Level:** Undergraduate (A)  
**Length:** Spring semester, full-time, period 8  
**Prerequisites:** At least one year of successfully completed full-time studies at university level.  
**ECTS credits:** 7.5

**Business Administration Ba (C), Management in the Experience Industry, 7.5 ECTS**  
**Department of Social Sciences**  
**Campus:** Östersund  
**Description:** The aim of the course is to give students knowledge and understanding of the experience industry and its specific management questions. Marketing is seen as a driving force affecting business process. The first part of the course will provide the students with a basic knowledge of the evolving experience industry. The later part of the course will study the electronic markets associated with this phenomena from a marketing perspective. The course will be a full time course including lectures and seminars.

**Code:** FÖAC51  
**Level:** Bachelor (C)
Length: Spring semester, period 2-3
Prerequisites: at least two years of successfully completed full-time studies at university level, of which two semesters of courses in business administration.
ECTS credits: 7,5

Business Administration Ba (C),
Customer relationships in the information society, 7,5 ECTS
Department of Social Sciences
Campus: Östersund
Description: The purpose of this course is to provide the student with knowledge and understanding of the fundamental concepts within the area of customer behaviour with special attention on the customer in the information society or the e-customer. The goals of learning for this course are:
- The student should have received an understanding for established theories as well as the concepts and methods used within the area of customer behaviour.
- The student should gain an insight into the complexity of the term customer.
- The student should have an increased awareness of the meaning and importance of the information society in relation to theories and knowledge of customer behaviour.
- The student should develop an ability to apply and analyse empirical cases based on a theoretical foundation.
Code: FÖAC50
Level: Bachelor (C)
Length: Spring semester, period not clarified yet. Full time studies including lectures and seminars.
Prerequisites: At least two years of successfully completed full-time studies at university level, of which two semesters of courses in business administration.
ECTS credits: 7,5

Business Administration Ba (C),
Individual Essay, 15 ECTS
Department of Social Sciences
Campus: Östersund
Description: The main objective of this course is to train course candidate in: a) a scientific approach to seeking, choosing, processing and evaluating scientific research, facts, information and selected literature in the field of business administration, b) critically scrutinizing theories, models and scientific methods, c) equally verbally and in print (as both defender and discussant) communicating in a scientifically correct manner; logically, objectively and stringently. By so doing, acquire in-depth knowledge within a particular subject area.
Code: FEKC82
Level: Bachelor (C)
Length: Spring semester
Prerequisites: A minimum of 120 ECTS. Included at the A- and B-level in Business Administration, a minimum of 40 points/60 ECTS.
ECTS credits: 15

Business Administration Ma (D),
Leadership and Management, 7,5 ECTS
Department of Social Sciences
Campus: Östersund
Description: The course includes both contemporary and classical leadership theories. Leadership and management issues are studied in their organizational contexts and particular attention is directed at the practical applications of theories. The aim of the course is to stimulate to a reflective and critical approach to some important perspectives I leadership and management research and to discuss applications on the level of individual organizations.
Code: FÖAD20
Level: Master (D)
Length: Spring semester: full-time, period 1
Prerequisites: 100 credit points including Business administration A 20 credit points , B 20 credit points and on C-level at least 15 credit points.
ECTS credits: 7,5

Business Administration Ma (D),
Research Methods for Business Students, 7,5 ECTS
Department of Social Sciences
Campus: Östersund
Description: The main objective of this course is to provide fundamental knowledge in different research methods; to prepare the course candidate to successfully carry out the formulation and investigation of a research question in business administration. Issues to be covered are:
• The obtainment of a practical overview of diverse research methods
• The independent formulation of a theoretical and practical research question.
• The development of a research methodology to apply in own master thesis. The candidate will have to present parts of his/her own planned research design (master thesis outline) at seminars, as the course proceeds.
Contents; the course is designed to offer deeper
knowledge, understanding and necessary skills to conduct a piece of business research, i.e. a master thesis. The idea is to provide a practical overview of several research methods; and exemplify how these methods can be applied to research problems in business administration concerning the collection and analysis of data. Candidate, after completing this course, will be able to understand diverse research techniques, and when and how, to use them to better practice data analysis. The course involves “hands-on” application of the statistical techniques in a lab setting.

**Code:** FÖAD15  
**Level:** Master (D)  
**Length:** Spring semester: full time, period 2  
**Prerequisites:** A minimum of 150 ECTS in courses in Business Administration. Included at the advanced, C-level, a minimum of 20 points/30 ECTS, counting a Bachelor’s thesis or equivalent.  
**ECTS credits:** 7,5

**Business Administration Ma (D), Individual Essay, 15 ECTS**  
**Department of Social Sciences**  
**Campus:** Östersund  
**Description:** The main objective of this course is to train course candidate in:  
a) a scientific approach to seeking, choosing, processing and evaluating scientific research, facts, information and selected literature in the field of business administration,  
b) critically scrutinizing theories, models and scientific methods  
c) equally verbally and in print (as both defender and discussant) communicating in a scientifically correct manner; logically, objectively and stringently.  
By so doing, acquire in-depth knowledge within a particular subject area.  
Contents; A 10-credit thesis requires ten weeks study at university level. What distinguishes a master thesis from a bachelor thesis is that, the master thesis has excessive quality requirements. It shall meet requirements of scientific content; research methodology; and academic format and linguistic presentation. That encounters among others requirements of strong evidence of original thinking; good organisation; capacity to analyse and synthesise; superior grasp of subject matter with sound critical evaluations; evidence of extensive knowledge base. Furthermore, the candidate should train himself/herself in evaluating the current state of knowledge, and finding, identifying and describing scientific research needs, thereby relating to the creation of new scientific knowledge.

**Code:** FÖAD16  
**Level:** Master (D)  
**Length:** Spring semester: full time, period 3-4  
**Prerequisites:** A minimum of 100 points (Swedish point-unit)/150 ECTS in courses in Business Administration. Included at the advanced, C-level, a minimum of 20 points/30 ECTS, counting a Bachelor’s thesis or equivalent.  
**ECTS credits:** 15

**Economics Ma (D), 30 ECTS**  
**Department of Social Sciences**  
**Campus:** Östersund  
**Description:** The contents of the course are divided into three parts:  
1. International Macroeconomics, 7.5 ECTS  
International Macroeconomics is a course at the master level on international finance theory and policy (i.e. international macroeconomics). The focus of the course is international payment flows, exchange rates and economic policy in the open economy context. The course introduces the current state of international finance and develops an analytical framework for analysing economic policy in open economies. With regard to exchange rates, the emphasis is placed on the determination of nominal and real exchange rates and international asset pricing. Macroeconomic policy is analysed from the perspective of central bank intervention on the foreign exchange market, monetary and fiscal policy in an open economy and international policy coordination. The main theme of the course is to introduce basic theory and discuss the empirical evidence.  
2. European Economic Integration, 7.5 ECTS  
This course of European Economic Integration combines economic analysis of integration with an understanding of the integration methods employed in the European Union. One crucial question is how to design proper regulatory and policy frameworks for various intensities of economic integration. For policy makers and business, assessing the costs and benefits of alternative integration methods requires an adequate understanding of methods. The course offers an extensive economic analysis of the monetary union, the Euro, the monetary and fiscal policy in the Euro zone. Special attention of strategic issues of enlargement, the EU social policy and reforms, plus a deeper analyses of pro-competitive effects of the single market. Issues related to economic integration and industry location is particular relevant from a European perspective because of European integration. In this course an overview of what the research literature to date has to say about
the impact of European integration on industry localisation is presented.
3. Individual Essay, 15 ECTS
Students are required to submit and essay of their choice. After the supervisor has accepted the final draft, the student will publicly defend the essay in accordance with the established procedures of the department.
Code: 1: NEKD64, 2: NEKD63, 3: NAAD04
Level: Master (D)
Length: Spring semester, full time, period 1-4
Prerequisites: Economics C, 30 ECTS.
ECTS credits: 30

Computer Engineering Ba, Computer Networks, 7,5 ECTS
Department of Information Technology and Media
Campus: Internet, Sundsvall
Description: The intent of the course is to provide a technical, scientific and intuitive basis for understanding how data communications works. Its objectives are to endow the student with knowledge in the area of data communication and computer networks and familiarize him with network architectures, transmission media, network topologies and access methods, basic addressing and routing and simple network troubleshooting.
Code: DT024G
Level: Bachelor
Duration/study rate: Summer 07 (June 11th - Sep 1st) / 50%; Autumn 07, Per. 1 - 4 (Sep. 5th - Jan. 20th) / 25%; Autumn 07, Per. 1 – 2 (Sep. 3rd - Nov.4th) / 50%; Spring 08, per.7 - 8 (Apr. 26th - June 8th) / 50%;
Prerequisites: At least one year of successfully completed full-time studies at university level, including High school Mathematics.
ECTS credits: 7, 5

Social work in a Swedish and global context Ba (B), 15 ECTS
Department of Social Work
Campus: Östersund
Description: Through a set of modules the course mainly presents different aspects of social work in Sweden. Content may differ from one semester to another. Example of modules that could appear on the course: Human rights and Public Law in Sweden, Addictions, International social work, Intercultural social work, Community work, Gender and social work, Social services in Sweden. There will be lectures, seminars and study visits to social services, NGO’s and so on. The students are supposed to produce several working papers and will be examined through an essay presented at a seminar.
Code: SAAB23
Level: Bachelor (B)
Length: Spring semester 2007: Period to be planned with lecturer directly on arrival. Contact department to secure dates.
Prerequisites: At least one year of successfully completed full-time studies at university level, of which one semester social work.
ECTS credits: 15

Nursing Placement and Nursing Care Ba (B), 10,5 ECTS
Department of Health Sciences
Campus: Sundsvall and Östersund
Description: The aims of the course are that students should:
- deepen their knowledge and understanding of Nursing Care
- be given opportunities to apply the knowledge they have gained, practice new skills and increase their self-awareness.
The course is based on individualized teaching and learning.
Code: OMAB22
Level: Bachelor (B)
Length: 7 weeks
Prerequisites: This course is only available to students who have completed at least two years of a Nursing programme in their home countries. Contact the Department of Health Sciences for further information.
ECTS credits: 10,5 ECTS

Nursing Placement and Nursing Care Ba (B), 18 ECTS
Department of Health Sciences
Campus: Sundsvall and Östersund
Description: The aims of the course are that students should: a) deepen their knowledge and understanding of Nursing Care. B) be given opportunities to apply the knowledge they have gained, practice new skills and increase their self-awareness.
The course is based on individualized teaching and learning.
Code: OMAB23
Level: Bachelor (B)
Length: 12 weeks
Prerequisites: This course is only available to students who have completed at least two years of a Nursing programme in their home countries. Contact the Department of Health Sciences for further information.
ECTS credits: 18 ECTS