



STUDY IN ENGLISH

2013-2014

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Study in English 2013-2014 Åbo Akademi University

Vammalan Kirjapaino, Sastamala 2013

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# Welcome to Åbo Akademi University

We are very happy that you are considering Åbo Akademi University for your stay abroad as an exchange student and we will do our utmost to make your stay a rewarding and enjoyable one. We receive about 250 exchange students annually, and the majority of these study courses lectured in English at Åbo Akademi University, even though the main language of instruction is Swedish.

Finland is a bilingual country and our university serves the needs of the Swedish minority population and is important as a symbol and guarantee for the minority culture. Our university has long traditions, it is internationally well known because of its high standards of education and research, and is situated in a very special corner of Europe, at the crossroads between East and West. Our university is also the most internationalized multi-disciplinary university in Finland, according to national comparisons. We can offer you interesting courses, individual tutoring, a personal university environment on a small scale plus beautiful nature.

We think that old academic traditions and ceremonies are important. Many of our departments and lecture halls are situated in charming and stylish former residential homes; built for private use during the first part of the nineteenth century immediately after the Great Fire in 1827. On the other hand, our laboratories and departments in the division for natural sciences and technology are located in quite modern buildings, such as the ICT Building and Bio City, equipped with the best in their fields. We are famous for research in several fields of chemical technology and engineering. The Faculty of Arts is located in *Arken*, where modern architecture and renovated factory buildings have been combined. The Åbo Akademi University - Vasa campus is situated in the building "Academill" which is an old mill renovated for the university's purpose in 2004. The campus building houses classes for all subjects, creating a nice environment for students studying different subjects to meet and get to know each other.

In the unique environment that Åbo Akademi University can offer its students, teachers and researchers, everybody feels at home. Here you can exchange ideas, thoughts and experiences with your teachers and the other students in an international yet small-scale atmosphere. Our campuses, located around the cathedral in the heart of the old part of town in Åbo and by the waterfront of Vasa, offer a safe, democratic, friendly and welcoming environment for our exchange students.

Internationalization is extremely important for a small country and for a minority population. Therefore we have specialised in creating connections and collaboration opportunities with a great many universities and research institutes abroad. Our exchange students help enrich our university and contribute to its further development.

You are all most welcome!

Malin Brännback  
Vice-Rector

# Studying in Finland

## - a student perspective

Studying in Finland this semester has been an amazing experience for me! I joined some clubs, participated in many activities, explored most of the city, and made close friendships that will last for years to come. A few things I did that contributed to my amazing study abroad adventure in Finland are:

**Get involved:** Åbo Akademi University offers exchange students many opportunities to join sport clubs, academic student organizations, and social events, among other types of opportunities. While in Finland I participated in rowing, folk dance, and joined the comparative religions club (Gnosis) at Åbo Akademi University. Also, ESN is an amazing network that put together many events for students. They provide opportunities to party, travel, experience Finnish culture, and make great friends. Traveling to St. Petersburg, Russia, through ESN was one of the greatest moments of my time here in Finland. I signed up for the trip individually, but came back to Finland with great friends and connections that have lasted the entire duration of my stay here.

**Take the initiative to meet new people:** In my opinion it is a bit of a rumor that Finnish people are gravely shy and quiet. I have made a lot of Finnish friends and they all are very nice, kind, very talkative, and make me feel comfortable to talk to and hang out with them. Joining sport and student clubs are great ways to make Finnish friends. As long as you are willing and put forth a little effort to get to know Finnish people, it will be a very rewarding experience.

**Get out and see Finland:** Finland has so much to offer to the eye. Åbo is an old city, with much history to be explored. Studies are very important, but it is also important to take a break and take in the atmosphere. Get around the city and see the many sites and landmarks. Go to the market in Kauppatori and see what they are selling. Make sure you have a sauna experience. If possible, go to Lapland and see the Northern Lights and visit Santa Claus village! There is so much to do in Finland!

I wish you all an amazing stay in Finland!

Tomminesha Matchingtouch, Missouri State University  
Tomminesha studied psychology at Åbo Akademi University, Åbo Campus, through ISEP during the autumn of 2011.

## About this catalogue

This catalogue gives information about courses taught in English at Åbo Akademi University. Furthermore, information is also given about fields of study where supervision in English is offered or where students can participate in study projects or laboratory work and receive guidance in English or other languages.

After the printing of this catalogue, new courses may appear and some courses might be cancelled; therefore please check also the web pages indicated in connection with the courses. A detailed schedule with course information, such as dates, hours and auditorium, will be available in the middle of August on the website of the International Office.

**Postgraduate students or students at the doctoral level** are referred to the specific departments or programmes. Please see the chapters on master's degree programmes and graduate schools.

If you would like to have information on **courses taught in Swedish in the regular curriculum** of Åbo Akademi University, please see the website **[www.abo.fi/studera/undervisningsprogram](http://www.abo.fi/studera/undervisningsprogram)**  
The information is updated each year in July.

This catalogue gives information about academic matters; the **Welcome Guide** for International Exchange Students, contains information on practical matters and other important information about preparations that the student has to take care of before travelling to Åbo.

All our publications can be read on the Internet at **[www.abo.fi/exchange](http://www.abo.fi/exchange)** -> Publications

Åbo Akademi University has two main campuses, Åbo and Vasa. This catalogue introduces both campuses and courses taught at them. Please make sure that the courses you are planning to take are offered at the same campus.

## General Information

### Åbo Akademi University

The main campus of Åbo Akademi University is located in Åbo (Turku in Finnish), on the southwest coast of Finland. There is also a campus located in Vasa, 350 km:s north of Åbo/Turku. The university's total enrollment number is 7.000. Approximately 1000 international students from 80 different countries enrol in our university every year. Åbo Akademi University (founded in 1918) is the only Swedish-language multidisciplinary university in Finland. It was founded to provide higher education for the Swedish-speaking minority in Finland. The university's main language of instruction and administration is Swedish. Åbo Akademi University comprises 3 divisions and 12 departments, offering bachelor, master and doctoral studies:

#### **Division for Arts, Education and Theology**

- Faculty of Arts
- Faculty of Education (located on the Vasa campus)
- Faculty of Theology
- Department of Psychology and Logopedics

#### **Division for Social Sciences**

- School of Business and Economics
- Department of Social Sciences (located partially on the Vasa campus)
- Department of Law
- Department of Political Science (located partially on the Vasa campus)

#### **Division for Natural Sciences and Technology**

- Department of Natural Sciences
- Department of Biosciences
- Department of Information Technologies
- Department of Chemical Engineering

## Research

Some of the areas in which Åbo Akademi University has an acknowledged position in the forefront of research, are biotechnology, computer science, chemical combustion, human rights, informational and structural biology, material sciences and polymer sciences and engineering. The university has three national centres of excellence in research as selected by the Academy of Finland: the Åbo Akademi University Center for Functional Materials (2008-2013), The History of Society: Re-thinking Finland 1400-2000 (2012-2017) and The Centre of Excellence on Molecular Imaging in Cardiovascular and Metabolic Research (2008-2013).

The university has four internal centres of excellence appointed for 2010-2014:

- \* Democracy: A citizen perspective (Political Science)
- \* Center of Excellence in Cell Stress (Cell Biology)
- \* Optimization and Systems Engineering (Process Design & Systems Engineering)
- \* Post-secular culture and a changing religious landscape in Finland (Comparative Religion)

For more information please see: [www.abo.fi/forskning/en](http://www.abo.fi/forskning/en)

## Åbo - Finland's oldest university town

Åbo (Turku in Finnish), Finland's oldest university town, has traditions of education and research going back 700 years. The founding of the Academy of Åbo (Academia Aboensis) in the year 1640 was a decisive step which led to a lively exchange of scholars between Åbo and foreign universities. Åbo has always been the main gateway from Finland to the west and a significant route along which innovations have reached the country, also acting as a link with both western (Stockholm) and eastern (St. Petersburg) cultural influences. The city of Åbo celebrates its 785th anniversary in 2014.

Today there are two universities and several polytechnics in town. Åbo is a relatively small city (173,000 inhabitants) with a large student population and a lively student life. The town itself offers a wide selection of cultural activities and different services. Particularly in summer, Åbo is host to many festivals and events. In the year 2011 Åbo was one of the European capitals of culture. Please see the website of the city at [www.turku.fi](http://www.turku.fi) for more information about the city.

## Vasa - Multilingual energy at the waterfront

Åbo Akademi University has a smaller campus in the city of Vasa, 350 km:s north of Åbo. The Vasa campus is situated in the building "Academill" which is an old mill renovated for the university's purpose in 2004. The campus building is common for all subjects, which creates a nice environment for students from the different subjects to get to know each other.

Vasa (Vaasa in Finnish) is a city on the western coast of Finland with 57 000 inhabitants. The majority (75 %) speaks Finnish, and a large minority (25 %) speaks Swedish. Vasa is a living bilingual city where most inhabitants speak both languages well, and use two languages in their everyday life. The archipelago outside Vasa is unique and has the UNESCO status of World Nature Heritage, the only one in Finland.

Vasa is a university city, with many institutions of higher education. *Vaasan Yliopisto* (Vasa University) operates in Finnish, as well as Vaasa University of Applied Sciences (VAMK). Together with the Swedish School of Economics (Hanken) and Novia University of Applied Sciences they bring over 10 000 students to Vasa, creating the lively atmosphere of a university city.

## Finland

Finland is known for its production and export of electro-technical products, and is also one of the most developed information societies in the world.

The total area of Finland is 338,000 square kilometres, of which 10 % is water and 69% forests. The distance from north to south is 1,160 km and from west to east 540 km. There are 5.2 million inhabitants and 67 % of them live in towns or urban areas.

Finland is officially a bilingual country. The Finnish constitution states that an individual has the right to use his or her own national language, Finnish or Swedish, before the authorities. In addition to Finnish and Swedish, a third language, Sámi, has legal status. Swedish is spoken as the mother tongue by 6% of the Finnish population. 4.2 per cent of the population speak a language other than Finnish, Swedish or Sámi as their mother tongue. Most Finns are fluent in a foreign language, the most popular foreign language being English, which is widely spoken.

For nature lovers Finland offers many possibilities to wander in unspoilt nature. Furthermore its distinctive four seasons give its nature and Finnish life-style an ever-changing aspect. Finnish winters can be cold in some areas with temperatures as low as -20 Celsius, on the other hand the summers can be fairly warm (+25 Celsius). Just outside Åbo is the uniquely beautiful archipelago with over 20,000 islands.

### **The system of higher education in Finland**

The lower university degree (usually called *kandidat*) is a Bachelor-level degree. The extent of the lower (Bachelor's) degree is 180 credits and these can usually be completed in three years of full-time study. The degree consists of basic and intermediate studies in the major subject, including a bachelor's thesis; studies in one or more minor subjects and language studies.

The higher university degree (usually called *magister*, or in technology *diplomingenjör*) corresponds to a Master's degree. The extent of the degree is 120 credits. It takes two years of full-time study to complete the master's degree. The degree consists of advanced studies in the major subject, including a master's thesis, and studies in one or several minor subjects and language studies.

After completion of the master's degree students can apply for doctoral studies. Full-time studies for the Doctor's (*doktor*) degree usually take approximately four years.

## **Courses offered in English**

This catalogue contains information about courses offered in different fields of study, and the subjects are grouped according to the departments, which are listed alphabetically. By combining courses in related subjects, students can increase their options when making the learning agreement. Combinations not listed below are of course also possible provided that the student meets the prerequisites. However, to make it easier to select courses and make a learning agreement, some suggestions and recommendations are given below. 30 credits (ECTS) is the maximum for one semester.

It is possible to supplement a study plan at the Åbo Campus with courses at the University of Turku. The campuses are adjacent, making it quite easy to combine courses at the two institutions. However, please note that at least half the courses have to be taken at Åbo Akademi University. Please note also that it is not possible to combine courses offered in Vasa with courses offered in Åbo, due to the distance.

The Åbo Akademi University - Vasa campus hosts approximately 2,000 students, most of whom major in teaching-related fields or education, as the university specializes in educational issues. Education and Developmental Psychology are particularly strong and recommended fields of study for exchange students.

### *Arts/Humanities - Åbo Campus*

Several subjects in Arts/Humanities offer a small number of courses lectured in English which can form a study plan together, e.g. Comparative literature, Comparative religion, History, Musicology, Nordic Folkloristics, and Philosophy. Many self-study courses are offered as well. Please see the relevant subjects for more information. Courses within the interdisciplinary Baltic Studies programme offered at the University of Turku can also be recommended.

### *Biosciences (Biochemistry, Cell Biology and Environmental Biology) - Åbo Campus*

In addition to the courses listed there is also a possibility to do laboratory practice, however, this must be agreed beforehand. Courses taught in English in biosciences are also offered by the University of Turku.

### *Business and Economics - Åbo Campus*

The prerequisite for most courses in Accounting, Economics, International Marketing, Organization and Management is two to three years of previous studies in Economic sciences. Studies in Economic sciences can also be combined with studies in Information systems, listed under Information Technologies.

### *Chemical engineering/Chemistry - Åbo Campus*

In the field of Chemical engineering students can combine courses from all the following laboratories: Analytical Chemistry, Fibre and Cellulose Technology, Thermal and Flow Engineering, Industrial Chemistry and Reaction Engineering, Industrial Management, Inorganic Chemistry, Organic Chemistry (listed under Natural Sciences), Paper Coating and Converting, Physical Chemistry (listed under Natural Sciences), Process Design and Systems Engineering, Wood and Paper Chemistry. There is also a possibility to do laboratory practice, however, this must be agreed beforehand.

### *Education - Vasa Campus*

The Educational subjects of Åbo Akademi University are offered on Vasa campus. Education as well as Teacher Education can be studied on a theoretical level as well as on a very practical level. Literature courses, didactical courses and teaching practice are offered. The aim is to provide you with a perspective of the Finnish educational system, society's demands and expectations on school and teachers, the

relation between teachers and students in various learning situations and of course current theories of learning.

*Information technologies - Åbo Campus*

A large number of courses are offered annually within Computer Science, Computer Engineering, and Information systems, at the department of Information technology. The Turku Centre for Computer Science (TUCS), a joint research and education centre of the universities in Åbo, also offers courses in English.

*Language courses - Åbo Campus and Vasa Campus*

Language courses for exchange students are offered in Swedish (three levels) and Finnish (one level). A limited number of language courses are available for exchange students. If you wish to take a language course this must be indicated in the application form, and you must provide a short motivational letter explaining the reasons why you wish to take the language course.

*Language studies - Åbo Campus*

Language and literature majors and minors who have a few years of previous studies in the field are welcome to study English, French and German as the courses listed in this catalogue are taught in the language in question. A number of courses in Russian are also offered. Students studying Swedish or Finnish as their major or minor are welcome to enquire about the courses offered within the regular curriculum.

*Law and Human Rights - Åbo Campus*

A large number of courses in Human Rights are offered on an annual basis. In addition, courses in Law are offered jointly through "Turku Law School", a cooperative organization of the Law units of the universities in Turku. Turku Law School offers a broad range of high quality academic law courses taught in English (approximately 170 ECTS annually).

*Peace, Mediation and Conflict Research (PEACE) - Vasa Campus*

Some of the Master's programme courses are open to exchange students who fulfill the course prerequisites. The courses provide an interdisciplinary approach to peace and conflict studies in the contemporary world. For instance, topics considered include the psychology of aggressive behavior, child abuse and domestic violence, conflict resolution from a cross-cultural perspective, mediation and negotiation techniques, peace systems and global issues. The overall focus of the program is to examine psychological, social, and global dimensions of aggression, conflict, and peacemaking.

*Political science - Åbo Campus and Vasa Campus*

Lectured courses and literature studies providing about 20-25 credits will be offered each year within Political Science. A study plan in Political science/Public administration can be combined with courses offered by the History and Politics of European Integration-programme and the Finnish-Nordic Society and Culture programme at the University of Turku.

*Psychology - Åbo Campus*

Around five courses per year are offered for international students within the subject of psychology. Most of the courses are offered jointly together with the University of Turku and take place on either of the two campuses. International students can attend all these courses irrespectively of arranging university. Most of the courses on offer require basic studies in psychology as a prerequisite. However, there are some exceptions. For course information please see <http://www.abo.fi/institution/psychologyenglish>

*Social Sciences - Åbo Campus and Vasa Campus*

A small number of courses are offered in Social sciences and Women's studies at the Åbo Campus. In order to supplement a study plan in social sciences, please see also the courses offered at the University of Turku within e.g. the Finnish-Nordic Society and Culture programme. At the Vasa Campus one course is offered in the field of Social Policy.

*Studies at the Open university*

A number of courses lectured in English are offered every year by the The Centre for Lifelong Learning at Åbo Akademi University. The courses offered are equivalent in standard and quality to university teaching. Open university study consists of evening and weekend teaching. More information about the courses can be found at [www.abo.fi/fc/opu/eng](http://www.abo.fi/fc/opu/eng)

## COURSES OFFERED IN ENGLISH

### *Teaching practise - Vasa Campus*

Teaching practise in the Teacher Training School is offered in English for international teacher students. This practice has certain restrictions and only a limited number of students can be accepted.

## **Academic Information**

### **Format**

In connection with the course description the format of the course is indicated, e.g. seminars, lectured course, self-study course, intensive course. Below please find explanations of the different course types.

#### **Lectured courses**

Lectured courses usually have 2 - 6 hours of lectures per week. The course normally includes a course examination and/or an essay to be completed according to the instructions and timeline presented by the teacher. The examination is usually based on lecture notes as well as knowledge acquired through independent study of books indicated on the reading list for the course.

#### **Seminars**

Within specific study fields students can complete theses and short papers or essays individually or in small groups. The work is presented in seminars where the topic is critically discussed with other students and the teacher. Active participation is required.

#### **Self-study courses**

The examination of self-study courses (independent study courses) is conducted through a regular written examination or an essay. Students should contact the person responsible for the course, after their arrival, in order to agree on the reading, the timeline and the examination of the course. Students can also contact the teacher to receive guidance while working on the course. Please note that self-study courses have **no regular lectures**. Some self-study courses offer the possibility for group discussions with the teacher in case there are more students taking the course.

#### **Intensive courses**

Some courses are offered only during a short intensive period from one day to one week. The lectures are offered intensively during the days. Examination takes place according to the instructions of the teacher.

#### **Web-based courses**

The teaching in web-based courses takes place entirely or partially on the Internet in a virtual classroom or on a learning platform. Discussions take place on the Internet and exercises are carried out individually or as a group, and the examination is often in the form of an essay or a project work. The teacher assists students during the course and gives feedback on the Internet, either individually or to the group as a whole. As an exchange student you have access to the computer rooms at Åbo Akademi University.

#### **Computer exercises**

Computer exercises take place in a computer room, and the coursework is carried out at individual computers with instructions from the teacher.

#### **Laboratory work /Independent research exercise**

It is possible to undertake laboratory work within a research group or individually with the supervision of a teacher. This must be agreed already beforehand with the department, and if pre-approved, an outline for the work planned must be included in the student's learning agreement/study plan.

## **Levels**

The basic and intermediate level courses are typically taken during the first three years of study. The advanced level courses are taken by fourth and fifth year students and are intended to support the work of thesis writing.

#### **Levels (indicative):**

Basic= No previous knowledge required/undergraduate  
Intermediate= 2nd -3rd year/undergraduate  
Advanced=4th -5th year/Master level

## Examination

Assessment of courses usually includes lectures, course participation, essay writing and/or a written examination. Some courses are taught over the whole term for two hours per week, others are taught for several hours per week over a shorter period of time. Generally speaking there are no final examinations, as course examination takes place immediately after each course. If a student fails the examination there are usually two possibilities to re-sit the examination. Exchange students are in general required to sit their examinations and finish their courses while they are still registered as present at Åbo Akademi University.

If an exchange student needs to sit an examination for the home university while on exchange at ÅAU this can usually be arranged. This must however be accepted by both Åbo Akademi University and the home university and the arrangements must be made at least two weeks prior to the examination.

## Transcripts

Only successfully completed courses are recorded in the student's transcript of records. *Please note that **all coursework must be handed in before the student's departure** from Åbo Akademi University in order to ensure that all courses will be recorded in the transcript. **Courses can only be recorded while the student is registered at the university.*** The registration for the autumn will be in force until 31 December, and the registration for the spring or the academic year will be in force until 31 July.

## Credits

All courses are measured in credits, *studiepoäng/sp*. Credits are a value allocated to course units and they describe the workload required to complete the course/module. One credit (*studiepoäng*) is equivalent to one ECTS credit. A full-time study load for a semester is 30 credits, and 60 credits (maximum) for one academic year. The course load for one academic year, 60 credits, equals 1600 hours of work. (One credits equals 25-28 hours of work).

## Grading system

The grading system used at Åbo Akademi University corresponds to the European Credit Transfer System (ECTS).

### ECTS definitions

A (5)	EXCELLENT: outstanding performance with only minor errors
B (4)	VERY GOOD: above the average standard but with some errors
C (3)	GOOD: generally sound work with a number of notable errors
D (2)	SATISFACTORY: fair but with significant shortcomings
E (1)	SUFFICIENT: performance meets the minimum criteria

*Some courses are graded on a pass/fail basis.*

## Academic conduct

It is against the university regulations to cheat in examinations or to plagiarise in an examination or an essay. Students are not allowed to bring any books, papers or other reading material to the examinations unless the teacher has given specific permission beforehand. If cheating or plagiarising is discovered or suspected, the instructor will inform the student(s) involved and undertake an investigation of the matter. If a student has been found cheating in an examination or having plagiarised, the matter will be brought to the attention of the Rector. The consequence in both cases for exchange students is that the Rector will inform the home university in writing of what has happened. The student will always be informed of the matter and has the right to be heard and have the support of a student ombudsman. Please see *Åbo Akademi University Procedures for Handling Cases of Plagiarism in undergraduate studies* and the *Åbo Akademi University Examination Instructions* at <http://www.abo.fi/student/en/Content/Document/document/7526>.

## Academic Year

The academic year begins on 1 August and last until 31 July. Åbo Akademi University follows a two term (semester) system with four teaching periods according to the model below:

### Autumn term:

Period I 2 September - 25 October 2013

Period II 28 October - 20 December 2013

Examinations will still be conducted during the last week of May.

### Spring term:

Period III 7 January - 7 March 2014

Period IV 10 March - 28 May 2014

### Academic calendar for exchange students:

#### Autumn 2013

Official arrival day	26-27 August
Orientation	28 - 30 August
Registration	from 1 August
Classes begin	2 September
Classes end	20 December
Vacation period	21 December - 6 January

#### Spring 2014

Official arrival day	2-3 January
Orientation	7-8 January
Registration	from 2 January
Classes begin	7 January
Classes end	31 May
Vacation period	Easter: 18 - 21 April

### EILC Erasmus Intensive Language Course in Swedish at Åbo Akademi University

The EILC courses are open to students participating in the Erasmus-programme. All Erasmus students coming to study at a university in Finland can apply to take part in the EILC-course in Swedish given in August at Åbo Akademi University. The course is a beginner's course in Swedish (5 credits). In addition to language teaching and training, the course offers a varied cultural programme and a number of excursions to places of interest.

Applications should be submitted via the student's home university to CIMO (eilc@cimo.fi). For more information please see the following websites:

[http://ec.europa.eu/education/index\\_en.htm](http://ec.europa.eu/education/index_en.htm)

[www.abo.fi/exchange](http://www.abo.fi/exchange)

or e-mail [international@abo.fi](mailto:international@abo.fi)

*Please note that we can only offer a small number of places on the language courses offered during the semester which is why we recommend that Erasmus-students interested in learning Swedish should apply to take the EILC-course.*

## How to Apply

### Prerequisites

An exchange student is somebody who is **nominated for studies** at Åbo Akademi University through an **exchange programme or a bilateral agreement** between the host and home institution. Students coming to Åbo Akademi University through an international exchange programme (e.g. ERASMUS, FIRST, COIMBRA GROUP SEN, NORDPLUS, CREPUQ, ISEP or North-South-South) should follow the application procedures of the exchange programme. Students at universities which have bilateral agreements for student exchange with Åbo Akademi University should contact the International Office at the home university. For a list of the partner universities please see [www.abo.fi/exchange](http://www.abo.fi/exchange).

The studies are intended to **form a part of the participant's degree** at his/her home institution. In most cases the basic requirement therefore is that the applicant is a registered student at a foreign institution of higher education. **The home university must always support the application and study plan, and the student must be officially nominated by the home university.** Applications will not be processed without an **academic transcript of records** in English, stating all the individual courses the student has passed at the home institution, the level of the course, the credits obtained and the grade achieved. This is important since many of the courses have specific prerequisites. It must be possible to derive from the transcript that a student fulfils any such prerequisites.

All students must use the **online application form for exchange students** at Åbo Akademi University. In order to access the application form the home university must first send the nomination letter including the student's e-mailaddress to the International office. After this a password will be sent to the student's e-mailaddress enabling the student to log in to the application system. Please see [www.abo.fi/exchange](http://www.abo.fi/exchange). **Please use one e-mail address** at which you can be reached for supplementary information during the application process. Besides the personal data, **a study plan or learning**

**agreement** with information on what courses or fields of study the student intends to participate in is necessary. A student can list more than 30 credits in the study plan to make sure that he or she will be accepted to enough courses, but **30 credits is the maximum for one term/semester, and constitutes a full-time course load**. Students should not attempt to take more than 30 credits. It is possible to combine courses from different subjects, provided that course prerequisites are met. In the interest of a meaningful and useful study abroad experience at Åbo Akademi University, we ask that incoming students have **a good command of the English language**, both written and spoken, so that they will be able to follow lectures, work with English-language textbooks, participate in small-group coursework, and write their assignments and examinations without undue difficulty. We expect from all our incoming **non-native English-speaking exchange students** that their level of English corresponds to **at least B2 in CEFR**, the Common European Framework of Reference for Languages. The knowledge of English must be verified by a **language certificate**.

Only a **limited number of language courses** (Swedish and Finnish) are available for exchange students. If you wish to take a language course this must be indicated in the learning agreement/study plan, and you must attach a short motivational letter to the learning agreement/study plan, explaining the reasons why you wish to take the language course.

## How to choose courses

In order to make a study plan please consult this publication, which you can also read on the Internet at [www.abo.fi/exchange](http://www.abo.fi/exchange). *Please note that it is not possible to combine courses from the campus in Åbo with courses at the campus in Vasa, except for some web-based courses.*

In the middle of August a list of courses taught in English *at the Åbo Campus* during the academic year, with information about the teacher of the course, the specific dates, hours and the classroom/auditorium, will be available at [www.abo.fi/student/en/courses](http://www.abo.fi/student/en/courses). Exchange students are encouraged to make a schedule with this information. If you have any further questions, please feel free to contact us. An update for the spring term is available in the beginning of December.

It is also possible to choose courses at the University of Turku, the neighbouring university in Åbo. However, please note that at least half the courses have to be taken at Åbo Akademi University. Please see <http://www.utu.fi/en/studying/exchange-students/courses>

## Application deadlines

The application deadline for Åbo Akademi University is **30 April** at 16.00 CET+1 for studies during the autumn or full year and **15 October** at 16.00 CET+1 for studies during the spring. **Applications for extending the stay** for the spring semester have to be submitted before 15 October as well.

Applications which arrive by the deadline 30 April, will be processed in May and students will be notified by the end of May at the latest. Applications for the spring term, which arrive by 15 October, will be processed in October, and students will be notified by the end of October at the latest. **Applications arriving after the deadline will not be processed.**

## Welcome e-mail and acceptance letter

A welcome e-mail with important information is sent directly to the student after the application has been accepted. Attached to the message is the letter of acceptance, a link to the **Welcome Guide** with information about studies and arrival. Please note that we no longer send out *printed* welcome packages.

# Student services

## Housing in Åbo

Student housing in Åbo is offered by several providers. Regardless of provider it is essential that admitted exchange students start making their housing arrangements immediately after receiving the acceptance letter and Welcome e-mail. Please observe when applying for housing that the arrival days are 26 and 27 August. Depending on when you arrive and when you can move in to your room it might be better for you to rent a room from the beginning of August as you might otherwise have to arrange for temporary accommodation during the orientation course. Please note that a few nights at a hotel can cost more than one month's rent. Please see the Welcome Guide for exchange students and <http://www.abo.fi/student/en/current#document2> for updated information about housing.

## STUDENT SERVICES

Student housing costs from 250 euros/months and more depending on the provider. It is more expensive to live on the private market, but when sharing an apartment on the private market the cost can be comparable to e.g. the Student Village Foundation's rents. Make sure, when renting an apartment, that the apartment is furnished. Please also note that basic household items are in general not included in the apartment. For this purpose the Student union maintains a Starting package service for students. For more information please see the Welcome Guide.

There are in general more apartments available during the spring term (January-May).

The following providers offer student housing in Åbo:

### Student Village Foundation

Most exchange students live in the apartments provided by the Student Village Foundation, where Åbo Akademi University has a fixed quota of rooms/apartments for exchange students. Housing at the Student Village Foundation is offered in single or shared apartments. Please see [www.tys.fi/exchangestudents](http://www.tys.fi/exchangestudents) for more information. All apartments have bathrooms and access to kitchen facilities. Students should apply for housing themselves through the TYS website. The housing application can be submitted 3 months before arrival. Instructions for applying for housing is sent to accepted students in the Welcome e-mail. Rooms are rented for the whole term, four or five months for the autumn and five months for the spring. Enquiries regarding housing should be directed to [info@tys.fi](mailto:info@tys.fi).

<b>Retrodorm</b>	<a href="http://www.retrodorm.fi">www.retrodorm.fi</a> .
<b>TVT</b>	<a href="http://www.tvtasunnot.fi/students">www.tvtasunnot.fi/students</a> .
<b>Forenom</b>	<a href="http://www.forenom.fi/en-us/frontpage/students">www.forenom.fi/en-us/frontpage/students</a> .

### Other housing options (private market)

<http://www.kalustettuasunto.fi>

<https://www.lyyra.fi/asunnot/>

<http://www.vuokraovi.com>

<http://www.airbnb.com>

<http://www.ps-asunnot.fi/se/hyresobjekt>

## Housing in Vasa

The International office will organise housing in student apartments for all students participating in exchange programmes (such as ERASMUS, Nordplus, ISEP, CREPUQ). The student apartments are in a house called "Lärkan" 1,2 km from the University, close to the railway station and the city centre. Remember to fill in your Housing application at <http://studiebostader.fi>. It is also possible to rent an apartment on the open market, private, or shared with other students. It will require that you yourself are active, follow ads in local newspapers and on the internet. This will in many cases be more expensive than student housing. If you want to arrange your housing yourself, please see [www.voas.fi](http://www.voas.fi) or [www.vuokraovi.fi](http://www.vuokraovi.fi) (select English and "Vaasa").

## The Orientation Course for International Students

An orientation course for new international students is organized at the beginning of each term. **The orientation course is compulsory for exchange students.** It aims at introducing the students to the university, the town and the country. The course helps the students to adjust and it facilitates an efficient academic orientation. The programme also provides the participants with the possibility to get to know the other international students as well as the staff at the International Office and the Student Union.

## Advising sessions

Advising sessions are offered to all incoming exchange students during the week after the Orientation course, individually or in subject-specific groups. Students are requested to *finalise their study plans, and make schedules for their studies* before or during these meetings. Students will also get help with course registration. Any changes to the study plan must be made by the end of September (January for the spring semester).

## Student tutors

All exchange students will have a student tutor, a Finnish fellow student, to help with practical matters when settling in and as a contact during the exchange period. The tutors will also meet the exchange students upon their arrival. The tutors work on a voluntary basis and have been trained for their task. Exchange students will be divided into tutor groups of 3-6 students. The group meets more often in the beginning of the term and at regular intervals during the stay. The assistance of a fellow student is invaluable in particular at the start of the study period.

## Fees

The student union charges a membership fee of 55 euros/term. Membership is compulsory for those studying for their Bachelor's or Master's degrees; those pursuing their doctoral studies may join the student union if they wish. Exchange students also have the right to join the student union. The student unions provide various services such as health care at the Finnish Student Health Service, meals at reduced prices (2,50 euros for a warm lunch, the price is subsidised by the state) at university cafeterias, and reductions on train and bus tickets. The student unions also organize leisure time activities for students.

## Budgeting

Students do not have to pay any tuition fees at Åbo Akademi University. However, students have to pay for their accommodation and living expenses. There are also some initial expenses at the beginning of the stay that students should be prepared for: e.g. the Student Union membership fee 55 euros/term, a fee for the student card 16,60 euros, and a starting package fee which will be partially refunded.

Before leaving the home country the student should make sure that he/she has enough funds for the stay through grants, scholarships or private funds. The total monthly living expenses of a single student are approximately 600 euros. Depending on personal spending habits, a supplement of 100-200 euros should be added per month. The university does not offer any financial aid to international students and students should not rely on finding a job while in Finland.

### Example of a student's basic monthly living expenses:

Student Housing	220-280 euros
Private housing	350-550 euros
Food	250-300 euros
Local transportation	30 euros
Miscellaneous	100-200 euros
<b>Total</b>	<b>600-950 euros</b>

## Scholarships

Students of German nationality, who study Swedish or who are able to study in Swedish, can apply for a scholarship from the Otto och Johanna Beltzners fond. The total scholarship sum is about 7.000 euros annually and can be given to 2-8 students for 1-2 semesters each. Students interested in applying must contact the International Office of Åbo Akademi University/Åbo Campus no later than 15 April annually. For more information please contact [international@abo.fi](mailto:international@abo.fi).

There are no other scholarships for international students available at Åbo Akademi University. Government grants based on bilateral cultural agreements between Finland and certain countries may be obtained by applying in the student's home country. Enquiries about Finnish government scholarships should be directed to: CIMO, Finnish Centre for International Mobility, PL 343, FI-00531 Helsingfors, Finland, phone: +358-207 868 500, fax: 358-207 868 601, e-mail: [cimoinfo@cimo.fi](mailto:cimoinfo@cimo.fi). Please see also <http://www.studyinfinland.fi> >Tuition and scholarships. Students are advised to contact their own university to enquire about possible scholarships.

## Libraries and student facilities

All academic and social services available to Finnish students are also provided to exchange students. Moreover, the computer facilities are of high standards, and students have access to several computer rooms at the universities. Exchange students will be provided with usernames for e-mail and computers when registering at the university, and will after registration have immediate access to all computer rooms. Usually students do not need to purchase course books – these are available at the university libraries.

## STUDENT SERVICES

### **Åbo Campus**

Students at the Åbo Campus can borrow course books at the ASA library. The Åbo Akademi University library organizes information searching sessions for exchange students so that they can get the most out of the resources and databases provided. There is a student café and separate reading rooms at the Main library.

### **Vasa Campus**

The university library Tritonia is the scientific library which serves all the universities in Vasa. As a student you can apply for a card to the Tritonia Library. The library also has a cafeteria and reading rooms.

### **The Career Services**

At the Career Services you can discuss your career and subject choices, but also get help with your job application, CV and interview situations. The Career Services offer information about how to apply for a job in Finland, placements and the Finnish labour market. In many European countries students work as trainees for free to get useful work experience, but in Finland, employers do not employ students without paying a salary.

It is difficult for an international exchange or degree student to get a part-time job because most jobs require some knowledge of Finnish. Still, some students succeed in finding a good job by being active and by learning the language. Therefore, networking and sharing experiences regarding employment with Finnish and international students can be very helpful. For further information please see <http://www.abo.fi/arbetsforum/>. E-mail: [arbetsforum@abo.fi](mailto:arbetsforum@abo.fi) or visit the Career Service at Henriksgatan 1 b (Agricola).

For Career services in Vasa, please e-mail Ms. Anita Sundman, [anita.sundman@abo.fi](mailto:anita.sundman@abo.fi). Visiting address: Strandgatan 2 A, 2nd floor.

# Contact information

## Åbo Campus

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International Office  
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FI-20500 Åbo  
Finland

Fax: +358 2 215 3230  
Phone: +358 2-215 4836  
e-mail: international@abo.fi  
www.abo.fi/exchange  
<http://www.facebook.com/internationalaboakademi>

### Mobile application

Åbo Akademi University has launched a mobile application which contains information about the university, maps, news and a campus map. The app features basic functions and will be developed further. It is available for Android and iPhone and can be downloaded from Android Market and iTunes Appstore.

## Vasa Campus

Camilla Westermark, International officer  
(until August 2013)  
Email: cwesterm@abo.fi  
Tel: +358 6 3247 203  
Mobile:+358 50548 9518  
Fax: +358 6 3247 123

### Address

International Office  
Strandgatan 2  
PB 311  
FI-65101 VASA  
[www.abo.fi/exchange](http://www.abo.fi/exchange)

## CONTACT INFORMATION

# **Course information 2013-2014**

Courses at the  
Åbo Campus

# Arts

## Comparative Literature

The study of literature is about books. Their topic, more often than not, is human beings and being human. To this we add a load of books about books. Literary students aim to find out how texts are made and have been made throughout history, and how they interact with readers and in society. It is quite an exciting story.

The staff at the Department has weekly office hours when the students are welcome to study-counseling (at other times by appointment). The course literature is available for reading at the Department.

### Introduction to Finland-Swedish literature

**103700.1**

**10 credits**

**Lectured course**

**Basic level, no prerequisites**

**Offered: Spring 2014**

Lecturers: FM Freja Rudels and FM Katja Sandqvist

Contact hours: 30

Aim and content: The course focuses on twentieth-century Finland-Swedish prose and poetry in English translation. Beginning with the modernists, Edith Södergran, Elmer Diktonius, Gunnar Björling and Hagar Olsson, we also deal with post-war writers of poetry and prose such as Claes Andersson, Bo Carpelan, Monika Fagerholm, Tove Jansson, Solveig von Schoultz, Henrik Tikkanen, Märta Tikkanen and Kjell Westö.

During the course we read poetry and prose from the twentieth century, as well as secondary texts which help us understand and discuss Finland-Swedish literature. We will discuss both themes of the texts as well as their aesthetic features. A great deal of focus will be put on the students' own impressions and opinions of the texts. We will put the texts into a Finland-Swedish context and take on a minority literature perspective, but will also be discussing how these texts fit into a broader, international perspective. What is Finland-Swedish Literature? How has the culture in which these texts were written influenced them? Are there patterns or tendencies to be found among them? What makes them unique? And what do they bring to readers from abroad today?

The sessions will consist of the students' short work presentations, lectures and above all discussions of the literary texts.

Course outline:

- 1: Introduction
- 2: About Finland-Swedish Literature
- 3: Modernist poetry (Edith Södergran, Elmer Diktonius, Gunnar Björling)
- 4: Brave New Voices (Hagar Olsson, Märta Tikkanen)
- 5: In and around the Moominvalley (Tove Jansson)
- 6: "Angry Young Men" – Memoirs and Politics (Claes Andersson, Henrik Tikkanen)
- 7: A Poetic Point of View (Solveig von Schoultz, Bo Carpelan)
- 8: A Great Finland-Swedish Novel? (Monika Fagerholm + video screening)
- 9: The New Millennium (Westö)

Literature:

Andersson, Claes: What Became Words

Antas, Maria: "The Continual Meeting. A few words on a small body of literature and its unlikely changes"

Antas, Maria : "Finnish Contemporary Literature: A Wealth of Voices"

Björling, Gunnar: poems in Ice Around Our Lips  
 Carpelan, Bo: Room Without Walls. Selected Poems  
 Diktonius, Elmer: poems in Ice Around Our Lips  
 Ekman, Michel: "Whose language is this, anyway?"  
 Fagerholm, Monika: Wonderful Women by the Water  
 Ingström, Pia: "A Cycle of Pictures: Monica Fagerholm's Wonderful Women by the Sea"  
 Jansson, Tove: Moominpappa at Sea  
 Jansson, Tove: Art in Nature  
 McDuff, David: "Introduction", Ice Around Our Lips  
 Olsson, Hagar: "My Soul Is Troubled by Conflicting Names", excerpted from Chitambo  
 Schoolfield, George C.: "A Sense of Minority", A History of Finland's Literature  
 Schoultz, Solveig von: Heartwork. Selected Short Stories  
 Smith, Neil (ed.): "Collected Thoughts"  
 Södergran, Edith: poems in Ice Around Our Lips  
 Tikkanen, Henrik: A Winter's Day  
 Tikkanen, Märta: Manrape  
 Westö, Kjell: Lang  
 (All texts are found in a special course folder available to the participants.)

## Comparative Religion

The teachers at the department of Comparative religion welcome English-speaking students to many of our courses. We provide a handful of lectured courses in English (even though most courses are of course given in Swedish). In addition to lectured courses, several courses are provided as self-study courses (see more below).

International students interested in completing courses in comparative religion are very welcome to contact the teachers at the department in order to plan their studies. There are many possibilities to combine lectured courses and self-study courses into an interesting whole!

### Lectured courses in English:

#### Introduction to Religion, Media, and Culture

**5 credits**

**Basic level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Marcus Moberg

Aim: To provide an introduction to the study of the present-day interplay between religion, media, and contemporary everyday cultural practices in particular connection to contemporary broader processes of religious change in the Western world.

Entry requirements: None

Literature: In consultation with examiner

#### Religion and movies

**117210.1**

**10 credits**

**Basic level**

**Lectured course/ seminars**

**Offered: Spring 2014**

Lecturer: Sofia Sjö

Aim: to provide an overview over the relationship between religion and film from a historical and a theoretical/ methodological perspective and present the basic tools for analyzing religion and film. The function of religion in film, how film shapes religion, and how religion affects film are discussed

and different approaches to studying religion and film are exemplified and practiced.

Entry requirements: Basic studies in comparative religion are recommended but not required.

### **Contemporary religiosity: from paganism to new atheism**

**5 credits**

**Intermediate level**

**Lectured course/ seminars**

**Offered: Spring 2014**

Lecturer: Mika Lassander

Aim: This course outlines the decline of traditional organised religion in the West and how this is marked by recurring themes, such as giving authority to personal experiences over dogma, the exploration, re-imagining and production of various traditions, and convergence and blending with the rational-secular worldview. The course is based on case studies of, for example, Paganism in contemporary Britain, The Gaia Hypothesis as a link between science and religion, and the New Atheist movement.

Prerequisites: Basic studies in comparative religion completed or comparable earlier studies

Literature: In consultation with examiner

### **Self-study courses in English:**

Students who complete self-study courses will get individual supervision in English by the teachers. Usually, a written examination in some form, or papers/reviews, is included. In addition to the courses listed below, also other courses on both intermediate and advanced level can be completed as self-study courses. In some cases these require that the student has previous studies in comparative religion and religious studies.

### **Introduction to Comparative Religion**

**5 credits**

**Basic level**

**Self-study course**

Contact: Jan Svanberg

Aim: to provide basic knowledge in the field of comparative religion including central questions and concepts in the academic study of religions.

Literature: In consultation with examiner

### **Hinduism and Buddhism**

**5 credits**

**Basic level**

**Self-study course**

Contact: Måns Broo

Aim: to provide basic knowledge of Buddhism and Hinduism in both historical and present forms.

Literature: In consultation with examiner

A completed course in Hinduism and Buddhism can be followed by a Special courses in both Hinduism and Buddhism and / or Yoga, Meditation and Tantric Bliss in South Asia and the West

### **Yoga, Meditation and Tantric Bliss in South Asia and the West**

**5 credits**

**Basic and intermediate level**

**Self-study course**

Lecturer: Måns Broo

Aim: to give an understanding of some of the South Asian religious or spiritual traditions that have reached Western shores

since the end of the 19th century (e.g. Swami Vivekananda, Transcendental Meditation and the Hare Krishna movement). The main focus is be on the development and character of these traditions in their new environments.

Entry requirements: Introduction to Comparative and /or Religion and Hinduism and Buddhism completed, or comparable earlier studies

Literature: In consultation with examiner

### **Islam**

**5 credits**

**Basic level**

**Self-study course**

Contact: Peter Nynäs

Aim: to provide basic knowledge of Islam in both historical and present forms.

Literature: In consultation with examiner

A completed course in Islam can be followed by a Special course in Islam

### **Judaism and Christianity**

**5 credits**

**Basic level**

**Self-study course**

Contact: Peter Nynäs

Aim: to provide basic knowledge in Judaism and Christianity from a perspective of comparative religion, including their origins and roots, their sacred texts, and their historical development.

Literature: In consultation with examiner

### **Ancient religions of the Mediterranean and Middle East**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Måns Broo

Aim: to provide basic knowledge of ancient religions of the Mediterranean and Middle East from a perspective of history of religion.

Literature: In consultation with examiner

### **East Asian religions**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Måns Broo

Aim: to provide basic knowledge of East Asian religions in China, Korea and Japan from a perspective of comparative religion.

Literature: In consultation with examiner

### **Nordic religions**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Jan Svanberg

Aim: to provide knowledge of old Nordic religious myths, rites and for instance Schamanism. The reading material also presents views on aspects of interpretation and method and intends to shed light on the ways ideologies can influence research strategies and awake interest in ancient Nordic religion.

Literature: In consultation with examiner

## ARTS

### **Psychology of Religion I**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Peter Nynäs

Aim: to introduce psychological perspectives and concepts in the study of religion with emphases on religious experiences, religious orientation and individual development of religiosity.

Literature: In consultation with examiner

### **Psychology of Religion II**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Peter Nynäs

Aim: to provide further psychological perspectives on religion such as religious development, attachment theory, coping theory and religion and health.

Prerequisites: Psychology of Religion I completed, or comparable earlier studies

Literature: In consultation with examiner

### **Anthropology of religion**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Jan Svanberg

Aim: to introduce anthropological perspectives and concepts in the study of religion.

Literature: In consultation with examiner

### **Religion and Gender**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Peter Nynäs

Aim(s): to provide perspectives on how gender and religion are related in religions with emphases on identity, sexuality, power and women's lives and roles in various cultural settings.

Prerequisites: Basic studies in comparative religion completed or comparable earlier studies

Literature: In consultation with examiner

### **Religion and Ecology**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Peter Nynäs

Aim(s): to provide perspectives on ecological perspectives embedded in different religious traditions and on religious dimension of today's ecological ideologies and activism.

Prerequisites: Basic studies in comparative religion completed or comparable earlier studies

Literature: In consultation with examiner

### **Cultural encounters and interreligious dialogue**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Peter Nynäs

Aim: to provide relevant theoretical perspectives on intercultural encounters, interreligious dialogue and related conflicts from a humanistic perspective.

Literature: In consultation with examiner

### **Religious education**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Måns Broo

Aim: to provide relevant theoretical perspectives and knowledge on school religious education and multiculturalism, for example on factors influencing religious education in general, various traditions and practices etc.

Prerequisites: basic studies in comparative religion completed or comparable earlier studies

Literature: In consultation with examiner

## **History**

A number of self-study courses are offered in addition to courses lectured in English. As self-study courses require the ability to work independently they are recommended to 3rd–4th year students.

### **Ethnicity, class, gender & citizenship in 20th century Norden: historical perspectives on inclusions and exclusions in the modernizing Nordic countries**

**111553**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: February–March 2014 (Period III)**

Lecturers: MA Mats Wickström, MA Hanna Lindberg, PhD Ann-Catrin Östman and MA Matias Kaihovirta & PhD Anders Ahlbäck

Contact: mats.wickstrom@abo.fi

Aim: This course gives a general introduction to the modern history of the Nordic countries with an emphasis on inclusionary and exclusionary political struggles and policies related to workers, immigrants, farmers, minority members, women and men. The course will explore the changing dynamics and limits of Nordic democracy and the Nordic model of Welfare throughout the 20th century in the fields of social policy, population and family policy, migration and integration policy, education policy etc. Focusing on how different groups have been constructed, subordinated, mobilized and emancipated in relation to ethnicity, class and gender, the course will develop an intersectional understanding of Nordic 20th century history.

Examination: Students will complete an essay on a theme in connection to the course. The essays can be connected to an area of special interest for the student, or chosen from a questions prepared by the lecturers.

Literature: Mary Hilson, *The Nordic Model. Scandinavia since 1945*, Reaktion: London 2008. *The Nordic Model of Welfare. A Historical Reappraisal*, eds. Niels Finn Christiansen, Klaus Petersen, Nils Edling & Per Haave, Copenhagen 2006. *Eugenics and the Welfare State. Sterilization Policy in Denmark, Sweden, Norway, and Finland*, eds. Gunnar Broberg & Nils Roll-Hansen, Michigan State University Press: East Lansing 1996/2005. Jenny Andersson, Mary Hilson, 'Images of Sweden and the Nordic Countries', *Scandinavian Journal of History* Vol. 34, Iss. 3, 2009. Brochmann, Grete & Hagelund, Anniken (ed.) (2012). *Immigration Policy and the Scandinavian Welfare State 1945-2010*. Grete Brochmann, Anniken Hagelund, 'Migrants in the Scandinavian Welfare State: The emergence of a social policy problem', *Nordic Journal of Migration Research* (2011) Vol. 1, Iss. 1, pp: 13-24.

**Being Human in Times of Climate Change****5 credits****Advanced level****Lectured course****Offered: Autumn 2013****Lecturer: Dr Stefan Norrgård**

Course description: This course gives a general introduction to the changing climates in history. The preliminary aim of the course is to give the students an understanding of the history of the climates. Its relation and correlation to human history. Thereby presenting the rise and fall of civilisations, but also certain events in history, such as the climatically induced witch hunt (1500s) and trans-Atlantic slave trade (1700s). The course aims to give the students a good understanding of the basics in historical climatology and climatic reconstructions based on historical documents. Including an insight of climatic impact in history (direct and indirect impacts), but also the ability to understand how climate is portrayed, discussed and viewed in the media. The students will, after the course, have a better comprehension of climate's role in history and the climate change discourse.

Examination: Essay

Literature:

H. H. Lamb, *Climate, History and the Modern World* (London 1997), Wolfgang Behringer, *A Cultural History of Climate* (Cambridge 2010),

Michael H. Glantz, *Climate Affairs. A Primer* (Washington 2003), William F. Ruddiman, *Plows, Plagues & Petroleum. How Humans Took Control of Climate* (Princeton 2005),

Robert W. Kates et al. *Climate Impact Assessment* (Chichester 1985),

Mike Hulme, *Why We Disagree About Climate Change* (Cambridge 2009),

Caviedes, César N., *El Niño in History. Storming Through the Ages* (Gainesville 2001),

Brázdil, Rudolf et al., *23 Historical Climatology in Europe State of the Art* Section 1, *Climatic Change* (vol. 70, no 3:2005), pp. 363-430,

Pfister, Christian, *23 The vulnerability of past societies to climatic variation: a new focus for historical climatology in the twenty-first century* Section 1, *Climatic Change* (vol. 100, no 1:2010), pp. 2531,

Pfister, Christian, *23 Climatic Extremes, Recurrent Crises and Witch Hunts: Strategies of European Societies in Coping with Exogenous Shocks in the Late Sixteenth and Early Seventeenth Centuries* Section 1, *The Medieval History Journal* (vol. 10, no 12:2007), pp. 3371, J

ohnson, Sherry, *23 El Niño, Environmental Crisis and the Emergence of Alternative Markets in the Hispanic Caribbean, 1760s-1770s* Section 1, *The William and Mary Quarterly* (vol. LXII, no 3:2005), pp. 365-410

Brian Fagan, *Floods, Famines and Emperors* (New York 1990).

**Environmental History****110550.1****10 credits****Intermediate level****Self-study course****Offered: Upon agreement**

Contact: PhD Laura Hollsten

Aim: To introduce the field of Environmental History and some central questions within the subject.

Format: Literary studies under supervision of teacher

Prerequisites: Two years of studies in history recommended

Target audience: Year 3 or 4

Form of assessment Paper, Examination

Course literature:

Simmons, I.G. *Environmental history: An introduction* (1993)  
Arnold, D. *The Problem of Nature. Environment, Culture and European Expansion* (1996).

Crosby, A. *Germs, Seeds and Animal. Studies in Ecological History* (1994).

Glacken, C. *Traces on the Rhodian Shore. Nature and Culture in Western Thought from Ancient Times to the End of the Eighteenth Century* (1967).

Grove, R. *Green Imperialism* (1995).

Melosi, M. *Garbage in the Cities* (1981).

Ponting, C. *A Green History of the World* (1991).

Merchant, C. *Death of nature: Women, Ecology, and the Scientific Revolution* (1980).

Thomas, K. *Man and the natural World: Changing Attitudes in England 1500-1800* (1984).

Schama, S. *Landscape and Memory* (1995).

Worster, D. *Nature's Economy: A History of Ecological Ideas* (1977).

**Global history****110254.2****10 credits****Intermediate level****Self-study course****Offered: Upon agreement**

Contact: Professor Holger Weiss

Contents: The course highlights global interconnections, social transformations and spatio-temporal dimensions. The reading list introduces both historical and contemporary forms of globalization.

Prerequisites: Studies at the basic level

Form of assessment: Written examination based on literature (ca. 6 monographs) including:

J.L. Abu-Lughod (1989), *Before European Hegemony: The World System AD 1250-1350*

J. Diamond (1997), *Guns, Germs and Steel: The Fates of Human Societies*

A.G. Frank (1998), *Re-Orient: Global Economy in the Asian Age*

R. Robertson (2003), *The Three waves of Globalization. A History of a Developing Global Consciousness*

D. Landes (1998), *The Wealth and Poverty of Nations: Why some are so rich and some are so poor*

K. N. Chaudhuri (1990), *Asia Before Europe. Economy and Civilization of the Indian Ocean from the Rise of Islam to 1750*

K. Pomeranz (2000), *The great divergence: China, Europe and the making of the modern world economy*

A.G. Hopkins (ed., 2002), *Globalization in world history*

**Early Modern Nordic History****111554.1****10 credits****Advanced level****Self-study course****Offered: Upon agreement**

Contact: Professor Nils Erik Villstrand

Contents: The course focus on problem concerning the power state/military state, political culture, social control and integrative processes.

Prerequisites: studies at the intermediate level

Form of assessment: examination

Course literature:

Roberts, Michael: *The Swedish Imperial Experience 1560-1718* (1979)

Roberts, Michael: *The Age of Liberty: Sweden 1719-1772* (1986)

Jespersen, L. (ed.): *A Revolution from Above? The Power State of 16th and 17th Century Scandinavia* (2000)  
 Österberg E. and Sogner, S. (eds.): *People Meet the Law: Control and conflict handling in the courts: The Nordic Countries in the Post-Reformation and Pre-Industrial period* (2000)  
 Gustafsson H.: *Political Interaction in the old Regime: Central Power and Local Society in the Eighteenth-Century Nordic States* (1994)  
 Eliassen, F-E, et al (eds.): *Regional Integration in Early Modern Scandinavia* (2001). Introduction and 8 essays.

## Musicology

The Department of Musicology offers several self-study courses for students who wish to study in English. Students may, upon agreement, write essays and/or assignments in English tutored and supervised by the teachers. International students with some knowledge in Swedish can also participate in seminars. All students interested in completing courses in musicology should contact the professor of musicology in order to plan their studies.

### An Introduction to Cultural Studies

114557.1

5 credits

Lectured course

**Level: The course will not assume any prior study of culture and cultural theory. It will therefore begin at a basic level, working forward to offer suggestions for more advanced research. The course can therefore be included in both intermediate and advanced studies.**

**Offered: Spring 2014 (Period 4, 8 lectures)**

Course outline: This course is designed as a general and basic introduction to Cultural Studies. We shall begin with the most basic question: What is culture? The main point of this question will be to discover where each of us is situated regarding our level of knowledge of the field, and to find what we have in common.

The course will be in three sections:

1. Cultural Studies: History, Approaches, Key Concepts  
 Beginning with formalist, text-based approaches to cultural productions, we will follow the emergence of modern culturalist critical methods, many of which are derived from Marxist models of social organisation. We will discuss and illustrate some of the most important tools of cultural analysis, with special emphasis on semiotics and ideology.

2. Music in Cultural Studies: Politics, Methodologies  
 Because the course will be presented in a Department of Music, there will emphasis on music in cultural studies. We shall begin by thinking of music as sound, and consider those distinctive characteristics of acoustic communication which make it such a powerful force in history. When sound is organised as music, this power operates through what is known as affect, by which ideology and emotion work together. We will examine special cases of this convergence, particularly approaches to the study of music semiotics in film.

3. Cultures and Technologies: Case Studies  
 A succession of specific cases studies in the relationship between technologies and culture. These will explore issues that include: identity formation, ethnicity and authenticity, gender, and the status of the real in an age of digitisation. The choice of these case studies will be made in response to the interests of the class profile as it emerges in discussion. Throughout the course illustrations and case studies will be drawn from the music, media, theatre, film, sound technolo-

gies and literature. Illustrations and examples will be drawn from a wide range of cultural forms and genres, including 'art' music, jazz, rock, folk, pop and others. In their journals, students will have the opportunity to write about their own areas of musical and other interests.

Some useful background texts are listed below. Note that these are not compulsory reading, but suggestions for those who wish to undertake further research:

Andrew Edgar and Peter Sedgwick, *Cultural Theory: The Key Concepts* (London and New York, Routledge, 2002)

Patrick Fuery and Nick Mansfield, *Cultural Studies and Cultural Theory* (OUP, 2000)

John Storey, *Cultural Studies and the Study of Popular Culture: Theories and Methods* (Edinburgh UP: 1998)

Julian Wolfries, *Critical Keywords in Literary and Cultural Theory* (Basingstoke, Palgrave Macmillan, 2004)

Students with interests in particular cultural forms such as film and television will find useful the following:

Strinati, Dominic. 2000. *An Introduction to Studying Popular Culture* (London and New York: Routledge)

Culturalist Studies in Music:

Useful introductions to current issues in popular music studies: Hesmondhalgh, David, and Keith Negus. 2002. *Popular Music Studies* (London: Arnold)

Hornor, Bruce and Thomas Swiss (eds) 1999. *Key Terms in Popular Music and Culture* (Oxford and Malden Mass: Blackwell)

Shuker, Roy. 1998. *Key Concepts in Popular Music* (London and New York: Routledge)

Toynbee, Jason. 2000. *Making Popular Music: Musicians, Creativity and Institutions* (London: Arnold)

Part 1, 'Background, Theory and Method' in the following title is a very useful overview of the history of music discourses leading to the emergence of culturalist approaches.

Tagg, Philip and Bob Clarida. 2003. *Ten Little Tunes: Towards a Musicology of the Mass Media* (New York and Montreal: The Mass Media Music Scholars' Press (for this, and other useful reading, see [www.tagg.org](http://www.tagg.org)))

Students will be given a Study Kit consisting of extracts from a range of sources, providing them with further reading on cultural studies and its key terms (the final version of the kit may vary slightly, depending on availability of sources):

Raymond Williams: 'Culture' 'Ideology', 'Popular' from *Keywords* (Glasgow, Fontana/Croom Helm 1976)

'Ideology' and 'Semiotics' (Source unknown)

Jeremy Hawthorn, 'Semiology/Semiotics', from *A Concise Glossary of Contemporary Literary Theory*, (London, Edward Arnold, 1992)

Andrew Edgar and Peter Sedgwick, 'Culture' and 'Genre', from *Cultural Theory: The Key Concepts* (London and New York, Routledge, 2002)

Julian Wolfreys, 'Culture', 'Ideology', 'Intertextuality' and 'Literature', from *Critical Keywords in Literary and Cultural Theory* (Basingstoke, Palgrave Macmillan, 2004)

Assessment will be by lecture diaries. That is, at least one page of summary and comment on each of the eight lectures. The word 'diary' implies something written regularly, which you can look back on and see a process of development. This diary may take as its starting point the subjects covered in the lectures, but they are not simply your lecture notes. In the diary you should explore further, through reading your study kit, background reading, and any other research you conduct. Because of my own background, most of the case studies will be anglophone, and students might find it profitable to try to locate Finnish examples and make comparisons. The diary is also an opportunity to think critically about connections between issues raised in lectures, and the everyday conditions of your own life and environment. The entries are to be written

in fully developed prose, rather than dot-point notes, but they may explore ambiguities and uncertainties in your own mind. NOTE: Because the course is short, it is important to attend all classes. If you are unable to attend one class, you will be required to write a diary entry based on the two articles on 'Culture' by Raymond Williams and Julian Wolfreys; if you miss two then you must also write an entry on the two articles on 'Ideology' by Williams and Wolfreys. If you miss more than two classes, you will not be able to receive any credits for the course, and therefore need not submit the lecture diaries.

## Nordic Ethnology

Ethnology studies people and cultures – that is – man as a cultural being. At Åbo Akademi University we are especially interested in culture as it appears in everyday Finnish life, but we also have an interest in the other Nordic countries and culture in a broader European sense. Ethnology concerns itself mostly with social, material and mental traits of culture. Cultural patterns and cultural variations are often investigated by a combination of contemporary analysis and historical reconstruction while cultural confrontation and subcultures can be seen as dynamic approaches.

Due to its great interest in material culture and the issues of conservation, Ethnology has a strong connection to Museology. The emphasis on social factors and meaning ties Ethnology to Social Sciences. The interest in tradition and the making of tradition is something that Ethnology has in common with Folkloristics. The historical approach also makes need for insight in history and its methods.

The staff at the Department has weekly office hours when students can attend study-counseling (at other times by appointment). For international students supervision is also available in English or German. The department cannot offer any lectured courses in English this year. International students can participate in ethnological fieldwork courses, documenting and interviewing also in English. On the undergraduate/graduate level of study the seminar papers can be written in English/German and the seminars can partly be held in English. Supervision will be given in both languages. The list of the courses that can be assessed in English as self-study courses are as follows:

### Nordic Culture

**115002.0**

**5 credits**

**Basic level**

**Self-study course**

Contact: Niklas Huldén

Prerequisites: None

Aim and content: The aim of the course is to give basic knowledge of people's everyday life, cultural patterns and individual cultural expressions in Nordic countries and in the Nordic communities concentrating in the national cultures in Sweden, Norway, Denmark, Iceland and Faroe Islands in 19th and 20th centuries.

Learning outcomes: Knowledge of cultural phenomena and characteristics in connection with the past and the present in Nordic countries. Understanding for Nordic communities and their distinctive characters as well as the impact of the Modernity on them.

Literature: Contact teacher

### Home and Family

**115265.1**

**5 credits**

**Undergraduate level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: studies at the intermediate level (students in Ethnology from 2nd year up)

Aim and content: To give an overview on concepts regarding home and family in contemporary times as well as in peasant societies. The students read literature and write analysis of home and family and the meaning of family from material, social and cultural aspects.

Literature: Contact teacher

### Cultural Ecology

**115507.3**

**5 credits**

**Graduate level**

**Self-study course**

Contact: Niklas Huldén

Prerequisites: Completed undergraduate-level studies in Ethnology

Aim and content: Knowledge of the relationship between human beings and the environment in different times in different surroundings. Traditional and historical patterns in exploiting natural resources during different times concentrating on some specific types of nature and areas. The processes of exploiting resources from the anthropological and historical perspectives.

Literature: Contact teacher

### Communication and Contact

**115513.1**

**5 credits**

**Graduate level**

**Self-study course**

Contact: Sonja Hagelstam

Prerequisites: completed undergraduate-level studies in Ethnology

Aim and content: The aim of the course is to provide knowledge of the impact that different media and communication technologies have on the every-day life of people, on social relationships and cultural practices. The course opens up perspectives on the relationships between technology and culture. The focus is on new media aimed for communication between people that also observe communication in the historical perspective.

Literature: Contact teacher

### Ethnicity and Identifications

**115511.1**

**5 credits**

**Graduate level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: completed undergraduate-level studies in Ethnology

Aim and content: The aim of the course is to provide information on questions regarding ethnicity, ethnical processes and cultural encounters. Theoretical knowledge of ethnicity with Northern Norwegian, Swedish, Finland-Swedish examples, minority perspective, and the problems concerning multilingualism.

Learning outcomes: analytical understanding of ethnicity processes, ethnic processes and cultural encounters.

Literature: Contact teacher

## ARTS

### Urban Spaces and Rituals

115255.3

5 credits

**Undergraduate level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: completed basic-level studies in Ethnology

Aim and content: The course deals with cities, urban cultures and their forms of expression. The course provides knowledge of international and Finnish ethnological and cultural scientific research of the cities, information of the culture of cities and rituals connected with urban spaces.

Literature: Contact teacher.

### Historical Anthropology; a Classic Approach

115718.1

8 credits

**Basic – Advanced level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: None, though previous studies in Ethnology are recommended.

Aim and content: To give an overview on historical anthropology/micro history with emphasis on the theoretical, classical and interdisciplinary writings. Literature studies from theoretical and classical perspectives regarding different times and phenomena in European history.

Learning outcomes: Ability to combine the historical and anthropological ways of thinking, an insight into classical and contemporary historical anthropological studies, also concerning questions about gender and marginality. Ability to see historical associations from the anthropological perspective with emphasis on emotions and practices.

Literature: Contact teacher.

### Culture and Technology

115706.1

3 credits

**Basic-Advanced level**

**Self-study course**

Contact: Niklas Huldén

Prerequisites: None, though previous studies in Ethnology are recommended.

Aim and content: The aim of the course is to provide basic knowledge of the relationship between technology, culture and society. The course gives an insight into how Ethnology and the Human Sciences consider technique and technology.

Learning outcomes: Ability to analyze the role of technology in the modern society.

Literature: Contact teacher.

### Ethnology and Tourism

115709.1

7 credits

**Undergraduate level**

**Self-study course**

Contact: Katriina Siivonen

Prerequisites: completed basic-level studies in Ethnology

Aim and content: The course is an introductory course in research of tourism considering cultural encounters and the overall existence of tourists. The course includes theoretical and empirical studies and written assignments on tourism as a phenomenon.

Learning outcomes: insight into the social patterns of tourism, the role of a tourist, and the cultural encounters between tourists and local people. Ethnological view on tourism as a

phenomenon and the position of Ethnology in it.

Literature: Contact teacher.

### Maritime Anthropology

115710.1

4 credits

**Undergraduate level**

**Self-study course**

Teacher/Contact: Niklas Huldén

Prerequisites: completed basic-level studies in Ethnology

Aim and content: The self-study course provides an insight into maritime industries and environments, into the variations in the societies and navigation, understanding and knowledge of the distinctive characters in maritime culture.

Literature: Contact teacher.

### Cultural Anthropology

115254.2

5 credits

**Undergraduate level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: None

Aim and content: To deepen the knowledge of anthropology especially in the field of theory, concept and method as well as a cultural section by own choice. A wide range of literature on anthropological research methods, reading of classical monographs by own choice as well as an introduction to either the Muslim world, South-America or Finnish Lapland or Karelia.

Learning outcomes: Knowledge of anthropological thinking through insight into anthropological theory- and concept making, fieldwork and research results from three cultural fields. Ability to present an overview on the anthropological development and on contemporary views as well as an analytical ability to fork out individual phenomena like giving presents, gender- and family relations, religion and "total achievements".

Literature: Contact teacher.

### Social Anthropology

115258.1

5 credits

**Undergraduate level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: None

Aim and content: to deepen the knowledge of social anthropology through choice of theoretical perspectives and empirical special fields. Anthropological theory with examples in classical literature as well as Finnish early anthropology with literature by choice (eg. Westermarck, Granqvist and Karsten) or urban anthropology.

Learning outcomes: Knowledge of anthropological historical turning points as well as different anthropological research directions. Insights of social anthropological theory thorough study of famous work from three fields: Islam, the world of Westermarckians as well as urban milieus.

Course literature: Contact teacher.

### European Cultural History

115515.1

5 credits

**Intermediate/advanced level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: studies at intermediate/advanced level (stu-

dents in Ethnology from 3rd year up)

Aim and content: impacts in European cultural history during different periods of time in various regions of Europe.

Learning outcomes: Advanced knowledge of specific characters in European cultural history and of individual phenomena in various countries and during different time periods. Special insight of different traditions of conceptions and behavioral patterns of society groups versus popular patterns of life in different countries.

Course literature: Contact teacher.

### **Contemporary Ethnology and Youth Culture**

**115510.1**

**5 credits**

**Advanced level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: for students at an advanced level

Aim and content: Advanced insights of youth culture and sub cultures in light of new theories, different expressions for youth culture and late modern patterns for leisure time focusing on the body. Analytical understanding of the individual's position in late modernity as well as knowledge of ethnological conceptions of modern culture.

Learning outcomes: Ability to make and analyze observations of youth cultures and sub cultures as well as insight of ethnological apprehension of modern culture and patterns of leisure time focusing on the body. Analytical understanding of the individual's position in late modernity.

Course literature: Contact teacher.

### **Cultural Heritage and Historical Uses**

**115514.1**

**5 credits**

**Advanced level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: for students at an advanced level

Aim and content: To be able to put the cultural heritage in its proper context, i.e. see its cultural content in relations to history and present times. With that, information is given about occupational relevance; how processes of cultural heritage work proceed, who lies behind them and what are their intentions, i.e. a deconstruction of the cultural heritage processes. Learning outcomes: Knowledge of what the concepts on cultural heritage and historical uses signify and how such phenomena are used in today's world, especially in the field of tourism. A particular ability to analyze cultural heritage processes as well as looking at how these are connected to political and economic decision-making. A particular knowledge of the phases in politics concerning cultural heritage in Finnish wooden towns and different applications in cultural heritage milieus and museums.

Course literature: Contact teacher.

### **Ethnological Textile Studies**

**115707.1**

**7 credits**

**Intermediate/ advanced level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: for students at an intermediate/advanced level

Aim and content: The aim of the course is to give basic knowledge of textile studies in Finnish and Nordic perspectives. Literature studies, analysis and presentations of the content and structure of course diaries. The reading course gives an

insight into the history of textiles, popular dress-usage, textile techniques and textile variations.

Learning outcomes: Ability to give an account of the history of textiles in a wide perspective in regard of technics and material as well as variations in different regions. A deeper knowledge about the popular dress-usage, fashion styles and textile usage in general. In addition to this an ability to account for the latest development in textile ethnology and fashion science. Course literature: Contact teacher.

### **Ethnological Food Research**

**115708.1**

**7 credits**

**Intermediate/ advanced level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: for students at an intermediate/advanced level

Aim and content: A deeper knowledge of popular food, dinner custom and the food cultures' changes with special emphasis on Finland-Swedish and Finnish circumstances. Knowledge of the recipes' importance for food economizing, insights into variations in the popular diet and the food culture's development as well as the food's symbolic meaning. Reading course, examination through essays.

Literature: Contact teacher.

### **Consumption, Things and Identities**

**115266.1**

**5 credits**

**Intermediate level**

**Self-study course**

Contact: Anna-Maria Åström

Prerequisites: for students at an intermediate level

Aim and content: Understanding of the consumer society's dynamics and its effect on identity, a deeper knowledge of consumption, housing and the culture of objects in proportion to identity.

Learning outcomes: Ability to explain and analytically contemplate how consumption, culture of objects and housing are included in identity building in various Nordic and international milieus. Insight into modern consumption theories, theories on modern identity formation and the development of ethnological research on objects.

Literature: Contact teacher.

## **Nordic Folkloristics**

Folklore studies entail folk poetry, narratives on everyday experience, folk beliefs and folk customs, both historical and present day. They comprise modern popular culture as well. It is possible to conduct studies of Nordic folkloristics from bachelor's to doctoral level. The only courses lectured in English are, Swedish in Finland and Comics – interdisciplinary and cultural perspectives. On the exchange students' initiative one course per year may also be arranged in the form of a study or reading circle. There is no other regular teaching in English. However, almost every year there are guest teachers from abroad who lecture in English. It is also possible to take reading courses based on self-studies. Supervision is given in English. Please contact Professor Ulrika Wolf-Knuts (uwolf@abo.fi) or Docent Lena Marander-Eklund (lmarande@abo.fi) for supervision and to customize courses according to your own need. Students from abroad generally have their own curricula and their own study plan to follow under the professor's supervision.

## ARTS

### Lectured courses:

#### **Comics – interdisciplinary and cultural perspectives**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: October – December 2013**

Lecturers: PhD Fred Andersson, PhD Ralf Kauranen, MA Jakob Löfgren

Contact: MA Jakob Löfgren (jlofgren@abo.fi)

Aim(s): The course is an interdisciplinary collaboration between folkloristics, art and visual studies and sociology. The aim of the course is to explore comics from several scholarly viewpoints. The course gives the student an introduction to comic studies and an insight into comic books and comic book culture as material. Comics and comic book culture will be explored from visual, cultural, political, narrative and intertextual perspectives. Important key words are: Narrative, multimodality, art, visual studies, trans-nationality, fandom, intertext and folklore. The course can be taken as an intermediate course in folkloristics or part of Visual studies.

Learning Outcome: Having completed the course, the student should know the history and basics of comic studies. The student should also have an understanding on comics, comic books and comic book-fandom as material for scholarly work and have an idea as how to apply different academic theories on said material.

Form of assessment: Lectures, literature, oral presentation or essay

#### **Swedish in Finland: Language, Culture, Identity**

**5 credits**

**Basic level**

**Lectures and seminars**

**Offered January – March 2014**

Lecturers: PhD Blanka Henriksson, PhD Sofie Strandén Backa, PhD Johanna Björkholm, MA Andreas Backa, MA Jakob Löfgren

Contact: MA Jakob Löfgren (jlofgren@abo.fi)

Aim(s): The course is a presentation of the language, culture and identity of the Swedish-speaking population in Finland. The general circumstances for this minority and their popular traditions of the past and present are issues of the course. Also stereotypes and cultural encounters are discussed. The course includes a some fieldwork and seminars. Important key words are: consolidation of ethnic identity, Swedish-speaking institutions in Finland, Folklore as heritage/identity politics, Migration, Folklore, Language and identity, Intercultural communication.

Learning Outcomes: Having completed the course, the student should have a rudimentary understanding of Swedish-speaking folklore and traditions, culture, cultural issues, institutions and identity.

Form of assessment: Lectures, seminars, fieldwork, literature and essay

#### **Folklore studies reading and study circle in English**

**5 Credits**

**Study circle**

**Offered: Throughout the year (autumn preliminary session 18 September 2013, spring preliminary session 15 January 2014)**

Contact: Jakob Löfgren (jlofgren@abo.fi)

Lecturers: by appointment

Form of assessment: Literature oral presentation or essay

Aim(s): On the exchange students' initiative one course per year may be arranged in the form of a study or reading circle. The department offers to arrange any of the intermediate courses on the curriculum in the form of a study or reading circle in English. This is done entirely on the request of the students. The department offers ten hours of supervised discussion as a form of examination for any course in folkloristics. Learning Outcome:

The student should be able to amongst themselves organize and ask the head of the department for a study circle on a course of their own choice. They should also have attended the study circle actively.

### *Basic level (self-study):*

#### **Introduction to folklore studies**

**116000.0**

**5 credits**

**Basic level, no prerequisites**

**Self-study course**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim: In this course the student will learn what folklore is, and look at expressions of folklore in today's world as well as how it was expressed in the past. Central terminology, material and methods in the field of folkloristics will be introduced.

#### **The history of folkloristics**

**116001.0**

**5 credits**

**Basic level, no prerequisites**

**Self-study course**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim(s): An introduction to the history of Folklore Studies in Europe and the Nordic countries. Motivations for collecting and disseminating folklore material will be discussed. The course also offers a presentation of older folkloristic theories and methods.

#### **To discover and understand everyday life**

**116002.0**

**5 credits**

**Basic level, no prerequisites**

**Self-study course**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim(s): The student will be encouraged to view her/his everyday life with new eyes. There is much to discover and understand in one's own culture once one knows what to look for. The aim of the course is to teach the student to view the world as a folklorist.

#### **Verbal folklore**

**116004.0**

**5 credits**

**Basic level, no prerequisites**

**Self-study course**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim(s): You will learn to analyse and study different types of folkloristic texts. You will also learn about different folkloristic genres and what characterises them. We will analyse fairy tales, legends, jokes, divinations, folksongs, and TV-shows among other things.

**The ritual year and festivities of life****116210.0****5 credits****Basic level, no prerequisites****Self-study course**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim(s): The focus of this course lies on the content of festive practices, both those of life and those of the year. During this course you will be acquainted to different kinds of traditional festivities as well as how these can be studied from a folkloristic perspective.

*Intermediate level (self-study):***Folkloristic analytical methods****116201.0****5 credits****Intermediate level, previous studies required****Self-study course**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim(s): When analysing folklore, knowledge of different research methodologies is essential. Analytical methods, both those previously used by folklorists and those presently preferred by researchers, are introduced in this course.

**Beliefs and rituals****116200.0****5 credits****Intermediate level, previous studies required****Self-study course**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim(s): The field of study of this course deals with varying conceptions of the supernatural as well as rituals of everyday life. The student will be familiarized with the methods used in the study of folk belief as well as in the research of rituals. The course deals with older and newer popular conceptions, such as supernatural beings, folk medicine and medical anthropology, modern folk religion and New Age.

**Tradition in a changing world****116202.0****5 credits****Intermediate level, previous studies required****Self-study course**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim(s): The aim of the course is to demonstrate ways how the relationship between tradition and society can be studied, as well as illustrating how society is made visible in present day folklore and folkloristic research. Concepts such as culture, tradition and environment are problematized and discussed.

**Ethnographic field methods****116205.0****5 credits****Intermediate level, previous studies required****Self-study course**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim(s): 1) to learn to identify different kinds of ethnographic materials  
2) to create folklore sources through different methods, such as interviews, participant observation and questionnaires  
3) to reflect over the creation of sources as a result of fieldwork and the role of the researcher in this process

**BA seminars (folkloristics as main subject)****116990.0****10 credits****Seminars in Swedish OR self-study under supervision of assigned member of staff**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Intermediate level, previous studies required

Aim(s): 1) learning what characterizes scholarly writing

2) learning information retrieval

3) mastering the basics for how to write and academic thesis

4) formulating a problem, handling sources and applying scholarly theories in an academic context

The student writes a BA thesis concerning a folkloristic topic of choice during this course.

**Preparatory seminars (folkloristics as minor subject)****116204.0****5 credits****Intermediate level, previous studies required****Seminars in Swedish OR self-study under supervision of assigned member of staff**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim(s): 1) learning what characterizes scholarly writing

2) learning information retrieval

3) mastering the basics for how to write and academic thesis

4) formulating a problem, handling sources and applying scholarly theories in an academic context

The student writes a scholarly essay concerning a folkloristic topic of choice during this course.

*Optional courses (self-study):***The body and health****116721.1****5 credits****Intermediate/Advanced level****Self-study course**

Contact: Ulrika Wolf-Knuts/Lena Marander-Eklund

Aim(s): The course deals with how the view of the body and health has changed throughout history. What does it mean to be healthy/ill, and what ideals of health and wellbeing prevail in present day society?

**Classical folklore****116728.1****5 credits****Intermediate/Advanced level****Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The course gives an introduction to the folklore of classical antiquity with emphasis on folklore as social and cultural history. The focus rests on folklore found also in later day tradition, such as narratives of ware-wolfs witches and ghosts. Traditions such as anecdotes and joke-telling will also be featured.

**Children's folklore and minor genres****116722.2****5 credits****Intermediate/Advanced level****Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The student investigates and is familiarized with children's folklore and minor genres such as riddles, proverbs, traditional sayings, jokes and swearwords. Form, function

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and content are thoroughly studied, but context is also given consideration.

### **Cultural minorities and folklore**

**116707.1**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The course focuses on the importance of folklore for ethnic groups, and in what ways folklore appears in discourses regarding minorities and identity.

### **Cultural values today and folklore**

**116708.1**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): This course studies folklore and values in the society of today. The student investigates how our values and norms rest upon constantly repeated notions and ideas.

### **Discourse analysis and narratology**

**116719.1**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The aim of the course is to demonstrate how narratological methods can be employed in the analysis of folklore texts and interview material.

### **European folklore**

**116711.1**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The course is an introduction to European folklore, based on the participating international students own experiences of rituals connected to customs concerning celebrations in life, such as weddings, baptisms, funerals, graduation, birthdays etc. The students learn how to view their own culture with the eyes of a stranger, how to produce course material, and how to present their findings to an audience.

### **Folk song, folk dance and folk music**

**116701.2**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The course introduces traditional song and ballad research, primarily in the Nordic countries as well as traditional instrumental music and traditional dance. Also folkloristic research conducted within this field during varying times is introduced.

### **Folk medicine and medical anthropology**

**116709.2**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Lena Marander-Eklund

Aim(s): In this course popular medicine, both past and present,

is studied. The course introduces concepts both from the discipline of folkloritics and from that of medical anthropology.

### **Folk tales**

**116700.1**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The course looks at the folk tale, its theories and function, as well as its connection to literature, pedagogy and psychology.

### **Folklore and gender**

**116723.1**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Lena Marander-Eklund

Aim(s): This course focuses on folklore and gender issues. The construction of sex/gender in folkloristic materials as well as the relationship between folkloritics and gender studies are studied.

### **Folklore and literature**

**116713.1**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The relationship between folklore and literature, such as common motives and structures, will be studied.

### **Folklore and mass media**

**116714.1**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): Folklore and its relation to mass media are studied in this course. The course aims to demonstrate how folklore appears and can be used in mass media.

### **Folkloristic fieldwork**

**116715.1**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The course gives a multifaceted picture of folkloristic fieldwork, i.e. how folklorists create their research materials and sources.

### **Myths and epics**

**116704.1**

**5 credits**

**Intermediate/Advanced level**

**Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The course gives an introduction to myths and epics, and their significance in different cultural contexts.

**Non-European folklore****116712.1****5 credits****Intermediate/Advanced level****Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): This course familiarizes the student with non-European folklore. The student decides himself which geographical area he will study.

**Norse mythology****116732.1****5 credits****Intermediate/Advanced level****Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The course gives an introduction to Old Norse religion from the Stone Ages to the Viking Age. Sources to our knowledge about ancient religion are also introduced.

**Popular beliefs****116717.2****5 credits****Intermediate/Advanced level****Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The course gives a thorough introduction to folk belief and popular religion. Theoretical works as well as applied research dealing with these themes will be studied.

**Research history****116726.1****5 credits****Intermediate/Advanced level****Self-study course**

Contact: Ulrika Wolf-Knuts/ Lena Marander-Eklund

Aim(s): The course describes the origins of Folkloristics and its development as an academic discipline.

## Philosophy

Philosophy is the oldest of all academic disciplines. It has played a crucial role in the history of Western culture. It has influenced, and in turn been influenced by, the development of scientific, religious, artistic and political thought. Philosophical dialogue often concerns problems such as the nature and possibility of knowledge, the human mind and its relation to language, society, culture, good and evil.

The Department of Philosophy at Åbo Akademi University has a particular interest in questions relating to the social sciences and the humanities. Also ethics and the philosophy of mind have a central place in the curriculum. The department has a solid tradition of research in the work of Ludwig Wittgenstein.

The research seminars are conducted either in Swedish or in English as the case may be. The meetings are open to anyone interested. Please check the programme at the Philosophy home page at [www.abo.fi/student/forskarseminariumfilosofi](http://www.abo.fi/student/forskarseminariumfilosofi).

Students may, upon agreement, write essays and/or assignments in English (and to some extent, in German and French) for a number of philosophy courses (see the Philosophy home page). The essays and assignments for the obligatory philosophy courses for postgraduates at the Faculty of Humanities may always be written in English as well as in a number of other European languages.

Students are advised to check the available Philosophy

courses at the University of Turku, as studies at both universities may be combined according to a bilateral agreement of cooperation.

The staff at the Department has weekly office hours when the students are welcome to attend study-counseling (at other times by appointment).

**Hayden White's Philosophy of History****5 credits****Advanced level, seminar****Offered: Autumn 2013**

Teacher: Kalle Pihlainen

Aim and content: The overall aim of the course is to give the students an in-depth understanding of the central ideas in Hayden White's work, via the reading and discussion of some of his most important writings. Getting clear about the influence of White's work on contemporary philosophy of history is also a central purpose, as well as getting acquainted with some of the most important criticisms of White's views. No former knowledge of White's work is required.

Course literature: TBA by the teacher.

Study format: Required reading, student presentations of material, discussion

Form of assessment: Class discussion and written assignment

Target group: Students undertaking advanced studies in philosophy, history, literature, or other relevant fields.

Number of participants: minimum 4, maximum 15.

**Philosophy of Science****5 credits****Teacher: Martin Nybom****Offered: Spring 2014**

Aim and content: The aim of the course is to give students a general insight into philosophy of science by focusing on central questions and problems related to science and scientific thinking. The course corresponds to the obligatory courses in philosophy of science as required by the different faculties at Åbo Akademi University. To meet the faculty specific requirements students will be given complementary readings and assignments. After completed course the student will be familiar with central concepts and issues within philosophy of science and be able to use them in his/hers own academic work; the student will be able to make distinctions between different modes of scientific explanations and on a basic level be able to relate and place the subject specific methods within a general scientific framework. The student will also have a basic conception of the central questions and problems concerning epistemological and methodological differences between human and natural sciences, and hence, in a meaningful way, be able to question and form an own position concerning them.

Form of assessment: Written exam

Literature:

Rosenberg, Alex: Philosophy of Science

Chalmers, A.F.: What is this thing called science?

Winch, Peter: The Idea of a Social Science and its relation to philosophy Nagel, Ernst:

The Structure of Science

Hempel, Carl: The Philosophy of Natural Science

Toulmin, Stephen: The Philosophy of Science

von Wright, G.H.: Explanation and Understanding

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### Individual Study, Philosophy

**Credits:** varies

**Self-study course**

**Offered:** upon agreement

Contact: Martin Gustafsson

Prerequisites: Subject to agreement with the teacher

Format: subject to agreement

Aim & contents: The course may deal with some central area of philosophy, to be agreed between the teacher and the student. Most courses currently available in Swedish at the Philosophy department may also be done in the form of essays and assignments. (Most notably, Introduction to Philosophy, Logic and (normally) seminars will not be available in this format.) The student will meet with the lecturer to set the course literature and deadlines, to discuss the work and to choose an essay topic. The teacher will return the essay and (or assignment and give comments on the work.

Course literature: To be set individually by agreement.

## Languages:

### English Language and Literature

The English department is happy to welcome exchange students to take part in the courses offered, providing that their level of English is sufficiently high (e.g. B2/C1 in CEFR). Most courses that are open to exchange students are on the MA (advanced) level, which means that students wishing to take part in those courses are normally required to have at least 60 credits (ECTS) of English at university level. Some courses are open to BA (intermediate) level students, provided that they have completed 25 credits (ECTS) of English at university level. In unclear cases students may also be asked to take a language test. LECTURED COURSES require a minimum number of students. They cannot be automatically transformed into self-study courses.

#### BA (intermediate) level

##### 20th Century Novel

**104154.1**

**5 credits**

**BA (intermediate) level, please see prerequisites**

**Self-study course**

**Offered: Autumn 2013**

Lecturer: Stuart McWilliams

Contact: engelska@abo.fi

Aim: To help students develop their skills in the independent study of the novel as a genre and a phenomenon throughout the English-speaking world of the twentieth century; to enable students to relate their reading of individual novels to major theories of the novel and evaluate these theories in the light of their reading of the novels.

Contents: Selection and reading of three to five novels from a list supplied by the teacher; independent work researching and writing a paper on these novels answering a question supplied by the teacher, to include the reading of a range of secondary works on the novels in question and on the theory of the novel more generally

Mode of study: Self-study course

Prerequisites: 25 credits (ECTS) of English at university level

Target audience: BA-level students of English language and literature who have completed at least one year's university study of the subject including general introductory courses in literary studies.

Form of assessment: A 2-hour written examination covering all the novels read by the student; and one 8-page essay (3000 words).

Course literature: Three to five twentieth-century novels in English chosen from a long list supplied by the teacher; readings in the theory of the novel as directed by the teacher.

##### Applied Linguistics

**5 credits**

**BA level, majoring in English, please see prerequisites**

**Lectured course + study circle**

**Offered: Spring 2014**

Lecturer: Signe-Anita Lindgrén

Contact: engelska@abo.fi

Aim: to acquaint students with a selection of key issues and concepts in applied linguistics relevant for foreign language learning and future foreign language teachers, to acquaint students with a selection of the main approaches in psycholinguistics relevant for foreign language learning and future foreign language teachers, to introduce students to concepts and terms necessary for the understanding of the fields, to deepen students' knowledge of a top

ics of their own choice within the framework of the course, to help students reflect over issues in the fields and demonstrate their understanding of them, to develop the academic skills necessary for the satisfactory completion of the course work.

Contents: An introduction to a selection of main issues in applied linguistics and psycholinguistic processes of foreign language learning, basic concepts and terms in the fields; the students will be encouraged to develop an interests of their own within the framework of the course, e. g. focusing on vocabulary learning, memory functions, lexical errors

Mode of study: Seminars and study circles, full attendance required in all seminar and study circle meetings

Prerequisites: 25 credits (ECTS) of English at university level.

Target audience: BA-level students of English language and literature, (esp. teacher's line)

Form of assessment: a series of assignments compiled in a study journal, a 15-minute group multimedia presentation, weekly readings and tasks for preparation and post processing, adequate preparation for and active participation in classes and study circle meetings, a 30-min quiz on key concepts and terminology

Course literature: Course materials may include books and articles on applied linguistics, second language acquisition, and psycholinguistics and relevant linguistic frameworks, supplementary course materials, recordings, video and web-based materials, corpus data, other material, and standard reference works. A reading list will be issued.

##### Being British

**104150.1**

**5 credits**

**BA (intermediate) level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Martin Gill

Contact: engelska@abo.fi

Aim: To gain an insight into the nature and diversity of British identities, and their implications, from a variety of internal and external perspectives; to develop a critical awareness of relevant social, cultural and political issues and concepts; to complement and extend the work done in the first year

Contemporary Englishes course.

Contents: Discussion of the relevant social and historical background; an examination of a range of regional, cultural and ethnic identities in Britain and their relations with one another and with the centre; a critical evaluation of ideas / stereotypes of Britishness.

Mode of study: Weekly seminars; independent study (individually and in groups); full attendance required in all seminar meetings.

Prerequisites: 25 credits (ECTS) of English at university level. Target audience: BA-level students of English language and literature.

Form of assessment: One essay (approximately 2500 words or 7-8 pages); one 15-minute presentation; an oral examination in doubtful cases; and adequate preparation for and active participation in class.

Course literature: May include books and scholarly articles on topics in cultural and social history; literary texts; recordings, video and web-based material; standard reference works. A reading list will be issued.

### **Shakespeare I**

**104421.2**

**5 credits**

**BA (intermediate) level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Stuart McWilliams

Contact: engelska@abo.fi

Aim: To deepen students' understanding of the study of Shakespeare and of the theatre and drama more generally in his era; to engage their interest in Shakespeare studies; to develop their appreciation of the relationship between text and performance; help them develop their critical intelligence through the evaluation of different opinions and schools of opinion about the play; enable students to become informed readers of the language of Shakespeare's plays.

Contents: An overview of contexts for the study of Shakespeare including the theatre in Shakespeare's London and the history of comedy and tragedy as dramatic genres; detailed reading of the texts of the two plays; viewing of scenes from productions of the plays.

Mode of study: Seminars; full attendance required in all seminar meetings

Prerequisites: 25 credits (ECTS) of English at university level

Target audience: BA-level students of English language and literature who have completed at least one year's university study of the subject including general introductory courses in literary studies.

Form of assessment: One 2-page written assignment, one 10-page essay (4000 words), and adequate preparation (readings and tasks) for and active preparation in seminars.

Course literature: Two plays by Shakespeare as directed, together with secondary literature on those plays, on Shakespearean drama more generally and on the theatre in Shakespeare's London

### **English Words I: Word formation**

**104157.1**

**5 credits**

**BA (intermediate) level, please see prerequisites**

**Self-study course**

**Offered: Spring 2014**

Lecturer: Brita Wårvik

Contact: engelska@abo.fi

Aim: To acquaint students with the main processes of word formation in English; to introduce them to the concepts and

terms necessary for understanding the structure of English vocabulary; to develop their analytical skills in studying English vocabulary; and to develop the academic skills necessary for the satisfactory completion of the course work.

Contents: An introduction to the main processes of word formation in English and an introduction to basic concepts and terms in morphology.

Mode of study: Self-study course.

Prerequisites: 25 credits (ECTS) of English at university level.

Target audience: BA-level students of English language and literature.

Form of assessment: Three of the online exercises or other specified tasks to be agreed on at the preparatory meeting; and a take-home (to-the-library) examination (6 hours).

Course literature: Stockwell, Robert and Donka Minkova. English Words: History and Structure. Cambridge University Press. Chapters 1, 4-8 and 12 and the associated online materials; books and articles on English word formation, history of English and semantics; and standard reference works.

### **English Words II: History**

**104157.2**

**5 credits**

**BA (intermediate) level, please see prerequisites**

**Self-study course.**

**Offered: Spring 2014**

Lecturer: Brita Wårvik

Contact: engelska@abo.fi

Aim: To acquaint students with the main sources of English vocabulary; to introduce them to the basic types of semantic changes; to further develop their analytical skills in studying English vocabulary; and to develop the academic skills necessary for the satisfactory completion of the course work. Contents: An overview of the main sources of English vocabulary and an introduction to the basic types of semantic changes.

Mode of study: Self-study course.

Prerequisites: 25 credits (ECTS) of English at university level.

Target audience: BA-level students of English language and literature.

Form of assessment: Three of the online exercises or other specified tasks to be agreed on at the preparatory meeting; and a take-home (to-the-library) examination (6 hours).

Course literature: Stockwell, Robert and Donka Minkova. English Words: History and Structure. Cambridge University Press. Chapters 2-3, 9-11 and the associated online materials; books and articles on English word formation, history of English and semantics; and standard reference works

### **Literature Specialisation I**

**104214.0**

**5 credits**

**BA (intermediate) level, please see prerequisites**

**Lectured and self-study course**

**Offered: Spring 2014**

Lecturer: Anthony Johnson

Contact: engelska@abo.fi

Aim: to deepen students' understanding of English literature, to familiarise them with a particular field of English literature, its main authors, contexts and the critical approaches used in relation to it, to extend their knowledge of ways of talking about and thinking about literature, and to develop the academic skills necessary for the satisfactory completion of the course work.

Mode of study: Seminars as well as self-study; full attendance required in all seminar meetings

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Prerequisites: 25 credits (ECTS) of English at university level  
Target audience: BA-level students of English language and literature

Form of assessment: One 10-minute presentation, one 12-15-page essay (5,000-6,000 words), adequate preparation (readings and tasks) for and active participation in seminars, and completion of the course evaluation form  
Course literature: A reading list will be published every year.

### *MA (advanced) level*

#### **Reading the Culture Wars**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Stuart McWilliams

Contact: engelska@abo.fi

Aim: To encourage students to engage critically and non-confessionally with recent controversies regarding 'belief' as figured in literary and journalistic discourses; to enable them to interrogate the rhetoric of such controversies by situating them within wider philosophical, political and aesthetic debates; to facilitate reflection on the role of the arts and humanities (past, present and future) in these conflicts and in society as a whole.

Contents: An interdisciplinary course examining the context, character and literary imagining of several interrelated 'wars' over issues such as secularisation, relativism, the status of theology as an academic discipline, and the political function of the humanities.

Mode of study: Seminars; full attendance required in all seminar meetings

Prerequisites: 60 credits (ECTS) of English at university level

Target audience: MA-level students of English language and literature.

Form of assessment: One 2-page written assignment to be delivered in class as an oral presentation and handed in and one fifteen-page essay (6000 words), adequate preparation (readings and tasks) for and active participation in seminars.

Course literature: Richard Dawkins, *The God Delusion*; Ronan Bennett, *The Catastrophist*; journalistic media, short fiction and other materials as provided in an electronic course pack.

#### **Children's Literature CANCELLED**

**104657.1**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Maria Lassén-Seger

Contact: engelska@abo.fi

Aim: To provide an introduction to the history and analysis of classical and modern children's literature in English.

Contents: An introduction to the history and definitions of literature for children; an introduction to the theoretical approaches to literature; an introduction to the concepts of the child and childhood in books for children; and an introduction to the central genres and themes of fiction for children and its role in society.

Mode of study: Seminars; full attendance required in all seminar meetings

Prerequisites: 60 credits (ECTS) of English at university level

Target audience: MA-level students of English language and literature

Form of assessment: For each lecture students are required

to read assigned fictional texts, which are discussed in class. The final examination is a five-page written analysis of a book of your own choice.

Course literature: These will include novels and picture books, and theoretical texts. Every year a reading list will be issued.

#### **Assessing English Language Skills**

**104553.0**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Signe-Anita Lindgrén

Contact: engelska@abo.fi

Aim: To acquaint students with the key issues and concepts in the testing and evaluation of language skills; to help students relate concepts derived from their study of linguistics and language learning to the practical demands of language assessment; to equip students with the competence to evaluate approaches to language assessment and design appropriate forms of assessment for themselves; and to develop academic skills necessary for the satisfactory completion of the course work.

Contents: A survey of approaches to language assessment and evaluation; an introduction to the main technical issues involved in language test design; analysis of examples and practical tasks in the assessment of each of the four main skills areas: speaking, writing, listening and reading.

Mode of study: Seminars; full attendance required in all seminar meetings

Prerequisites: 60 credits (ECTS) of English at university level

Target audience: MA-level students of English language and literature; compulsory for students on the teachers' line; other students may be admitted if there are available spaces.

Form of assessment: Full attendance in all seminar meetings and active participation, one essay or practical assignment (approximately 3,000 words); one 20-minute small-group presentation and peer assessment, weekly readings and tasks for preparation and post-processing; adequate preparation for and active participation in classes

Course literature: Course materials may include books and scholarly articles on language testing and assessment; extracts and articles from journals; recordings, video and web-based material; standard reference works; published language tests. A reading list will be issued.

#### **Text and Discourse I**

**104669.1**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Self-study course**

**Offered: Autumn 2013**

Lecturer: Tuija Virtanen-Ulfhielm

Contact: engelska@abo.fi

Aim: To deepen students' understanding of linguistics and the study of language, to extend their knowledge of English linguistics by focusing on the study of text and discourse, to familiarize them with the conceptual and analytical tools and skills necessary for the description and explanation of the given linguistic phenomena and to develop academic skills necessary for the satisfactory completion of the course work.

Contents: A survey of the field, an introduction to the main topics, concepts and methods relevant to the given field, a discussion of the given field in relation to the current linguistic research in general, and to adjacent fields of study, and potential applications.

Prerequisites: 60 credits (ECTS) of English at university level.  
Target audience: MA-level students of English language and literature.

Form of assessment: 3-5 study journals based on assigned readings.

Course literature: These may include books and articles on text and discourse linguistics, books and articles on the study of particular topics within the field, standard reference works. A reading list will be issued each year.

### **The Linguistics of Language Learning**

**104552.0**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Signe-Anita Lindgrén

Contact: engelska@abo.fi

Aim: To acquaint students with the main research-based insights into the nature of foreign language learning, to extend and apply their knowledge of linguistics to the study of language learning, to introduce methodological issues related to the investigation and assessment of language learning, and to develop academic skills necessary for the satisfactory completion of the course work.

Contents: A survey of the study of foreign language learning, discussions of findings in applied linguistics research from the perspective of language learning, an overview of the main conceptual and methodological issues related to language learning, and an examination of the interface between theoretical linguistics and the practical contexts of language learning.

Mode of study: Seminars; full attendance required in all seminar meetings

Prerequisites: 60 credits (ECTS) of English at university level

Target audience: MA-level students of English language and literature, compulsory for students on the teachers' line; other students may be admitted if there are available spaces.

Form of assessment: One 20-minute presentation and peer assessment, one 10-page (4,000-word) essay, weekly readings and tasks for preparation and post-processing, adequate preparation for and active participation in classes.

Course literature: Course materials may include books and scholarly articles on foreign language learning and relevant linguistic frameworks, supplementary course materials, recordings, video and web-based materials, corpus data and other material, and standard reference works. A reading list will be issued.

### **Business Communication I**

**104560.1**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Colette Gattoni

Contact: engelska@abo.fi

Aim: To acquaint participants with the concept of business communication and the forms that this can take, to enable participants to analyse their own work experience in the light of issues addressed in the course; to enable participants to analyse external business-related issues within frameworks studied; to extend participants' ability to communicate effectively in a business context both orally and in written form to encourage participants to consider writing on a business related language issue in their pro gradu thesis in the English Department.

Contents: The course will attempt to draw on the participants' own work contexts and encourage them to reflect on their organisation and prevailing culture. Participants will then broaden their understanding of other organisational contexts and focus in greater depth on business English language issues. It is hoped that participants will enrol for the course Business Communication II.

Mode of study: Seminars and independent study; full attendance required in all seminar meetings

Prerequisites: 60 credits (ECTS) of English at university level

Target audience: MA-level students of English language and literature. Compulsory for English department students on the business line; other students may be admitted if there are available places.

Form of assessment: Preparation for seminar meetings, two assessed written assignments, and a written test.

Course literature: Course materials may include articles from magazines, newspapers and specialist journals relating to business or business communication issues, background literature for individualised study in book form, web and other sources e.g. company/organisational literature, authentic written business communications – letters, email, etc. – informational video clips, topical off-air materials, BBC business news, and so on, standard business reference works, including specialised dictionaries, and a frequently updated reading list.

### **Business Communication II**

**104560.2**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Colette Gattoni

Contact: engelska@abo.fi

Aim: The aim is to build on participants' understanding of general business communication gained in the course Business Communication I. In addition, participants interested in writing a master's thesis on a language and business-related theme will develop a sound theoretical and practical groundwork in the area. Participants will have the opportunity to research their own areas of particular interest.

Contents: This course will encourage the reading and analysis of selected literature in the field and enable participants to specialise in a chosen area.

Mode of study: Seminars and independent study; full attendance required in all seminar meetings

Prerequisites: 60 credits (ECTS) of English at university level. Participants should have completed Business Communication I before taking this course. Other students should contact the lecturer before the course begins.

Target audience: MA-level students of English language and literature.

Form of assessment: Preparation for seminar meetings, one written assignment (max. 3000 words), and a reading journal.

Course literature: Course materials may include articles from magazines, newspapers and specialist journals relating to business or business communication issues, background literature for individualised study in book form, and other sources as for the course Business Communication I, and a frequently updated reading list.

### **The British Empire**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Martin Gill

## ARTS

Contact: engelska@abo.fi

Aim: To explore the development of the British Empire from its beginnings to its eventual decline and decolonization, and its implications, from a variety of perspectives; to attempt to understand the diversity of motives behind Britain's overseas expansion, its impact on those involved, colonized and colonizers, as well as on the British themselves, and its legacy in the modern world; to develop a critical awareness of relevant social, cultural and political issues and concepts, and to build on work covered in the BA.

Contents: A survey of the relevant social and historical background; a study of key issues, including the motives for colonial expansion, the nature and effects of British encounters with other cultures, trade and slavery, missionaries and explorers, the human, linguistic, ecological, etc. consequences of Empire, art and Empire, imperialism, and the individuals whose careers were most influential in shaping Britain's imperial design; a critical discussion of the ways in which the empire came to be understood and debated, from both internal and external perspectives.

Mode of study: Lectures and seminars

Entry requirements: 60 credits (ECTS) of English at university level

Target audience: MA-level students of English language and literature

Course requirements: One essay (max. 10 pages; approximately 3,000 words). In addition: one 20-minute presentation, weekly readings and tasks for preparation, adequate preparation for and active participation in classes, and completion of a course evaluation form.

Course literature: Course materials may include books and scholarly articles on topics in cultural and social history, extracts and articles from newspapers and magazines, literary texts, recordings, video and web-based material, and standard reference works. A reading list will be issued.

### Shakespeare II

**104678.1**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Anthony Johnson

Contact: engelska@abo.fi

Aim: To deepen students' knowledge of Shakespeare's plays, focusing on aspects of their chronology, genre, language, theatricality and reception history; to familiarise students with recent developments in Shakespeare studies; to develop students' literary research skills.

Contents: Independent study of different Shakespearean dramatic genres from those surveyed in Shakespeare I; reading in recent critical approaches to Shakespeare; preparation of an extended essay.

Mode of study: Seminars; full attendance required in all seminar meetings

Prerequisites: 60 credits (ECTS) of English at university level.

Target audience: MA-level students of English language and literature.

Form of assessment: One 2-page written assignment, one fifteen-page essay (6000 words), and adequate preparation (readings and tasks) for an active participation in seminars.

Course literature: Four plays by Shakespeare; scholarly editions, criticism and other secondary material on these plays; selected readings illustrating recent developments in Shakespeare studies.

### Digital Discourses

**104563.0**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Loukia Lindholm

Contact: engelska@abo.fi

Aim: To deepen students' understanding of the English language and its use with a focus on online social interaction, to familiarize them with the conceptual and analytical tools necessary for the description and explanation of online linguistic phenomena, and to develop the academic skills necessary for the satisfactory completion of the course.

Contents: A survey of the study of online social interaction, an overview of the main concepts and methods relevant to the given field, a discussion of the given field in relation to current linguistic research, and to adjacent fields of study.

Mode of study: Seminars; full attendance required in all seminar meetings

Prerequisites: 60 credits (ECTS) of English at university level

Target audience: MA-level students of English language and literature.

Form of assessment: one 10-page essay (4000 words), one 10-minute presentation, adequate preparation (readings and tasks) for and active participation in seminars.

Course literature: Course materials may include books and scholarly articles on online communication, books and scholarly articles on the study of particular topics within the field, web-based materials, and standard reference works. A reading list will be issued.

### Topics in Literary Theory

**104540.0**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured Course**

**Offered: Autumn 2013**

Lecturer: Anthony Johnson

Contact: engelska@abo.fi

Aim: To help students deepen their understanding of the issues behind Literary Theory and to develop a working knowledge of selected theoretical approaches that may be of use to them in the pursuit of their own special research interests. Contents: Relevant schools of Literary Theory studied will be tailored according to the needs and interests of participants in the course.

Mode of study: Seminars; full attendance required in all seminar meetings

Prerequisites: 60 credits (ECTS) of English at university level

Target audience: MA-level students of English language and literature.

Form of assessment: One 2-page written assignment to be delivered in class as an oral presentation and handed in and one fifteen-page essay (6000 words), adequate preparation (readings and tasks) for and active participation in seminars. Course literature: Camelia Elias, *The Way of the Sign: Cultural Text Theory in Two Steps* (UK and Denmark: Eyecorner Press, 2011) + selected literary texts and handouts.

### English in Context

**104550.0**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Martin Gill

Contact: engelska@abo.fi

Aim: To explore key aspects of English language use, variation and change in a range of contemporary and historical contexts; to help participants develop critical insights into the relations between social and linguistic phenomena in a historical perspective, and an understanding of the relevant concepts and methodologies used to study them; to read a range of literature in the field. Participants will be encouraged to read and think critically about the issues raised, and to develop interests of their own. Sessions will be in seminar format, with a presentation followed by related activities and discussion. Readings form an essential part of the work to be done.

Content: An initial session will present an overview of the field; selected topics will then be examined in greater depth. These may include issues relating to: social and regional language variation in anglophone settings; processes of change, growth and standardization; linguistic legacies of the British Empire; places, varieties and identities; norms, attitudes and prescriptivism; English at school; the politics of language; urban Englishes and multilingualism; English in international contexts; language spread and competition; language and gender; politeness phenomena.

Mode of study: Seminars; full attendance required in all seminar meetings

Prerequisites: 60 credits (ECTS) of English at university level

Target audience: MA-level students of English language and literature.

Form of assessment: One 10-page (approximately 3000-word) written assignment or one 4-hour written examination; one 10-minute presentation; assignments for seminar meetings; full attendance at, and well-prepared participation in seminars.

Course literature: Will include books and articles on English sociolinguistics, the study of language phenomena and historical topics, a wide variety of supplementary materials relevant to the course, including recordings, video and web-based materials, and standard reference works. A reading list will be issued.

### **English Linguistics III**

**104501.0**

**5 credits**

**MA (advanced) level, please see prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Tuija Virtanen-Ulfhielm

Contact: engelska@abo.fi

Aim: To deepen students' understanding of the English language and its use, to familiarize them with a particular field of English linguistics, its central topics and conceptual and analytical tools, to extend their knowledge of ways of describing and explaining linguistic phenomena, and to develop the academic skills necessary for the satisfactory completion of the course.

Contents: A survey of a particular field of English linguistics or a particular linguistic phenomenon, which may change from year to year. An introduction to the basic concepts and models for analysis and an overview of the main topics in the given field of linguistics.

Mode of study: Seminars; full attendance required in all seminar meetings.

Prerequisites: 60 credits (ECTS) of English at university level

Target audience: MA-level students of English language and literature.

Form of assessment: One 10-page essay (4000 words), one 10-minute presentation, and adequate preparation (readings and tasks) for and active participation in seminars.

Course literature: These may include books and articles on the given field of English linguistics, books and articles on the study of the use of various language phenomena, supplementary course materials, corpus data and other materials, and standard reference works. A reading list will be published every year.

See also *Visual studies*, page 102.

## **French Language and Literature**

Bienvenue au département de langue et littérature françaises de l'université de Åbo Akademi. Dans notre département, tous les cours sont dispensés en français uniquement. Tous les étudiants étrangers avec de bonnes connaissances en français – et éventuellement une bonne pratique de la langue – sont les bienvenus. Les cours changent d'une période à l'autre au long de l'année universitaire. Le département de langue et littérature françaises a un prolongement sur Internet.

Pour de plus amples informations sur le cursus proposé par notre département – notamment le descriptif plus détaillé des cours, vous pouvez vous reporter à notre site internet: [www.abo.fi/franska](http://www.abo.fi/franska)

### **Histoire et analyse littéraires : XVI-XVIII siècles**

**5 credits**

**Intermediate level**

**Lectures and seminars**

**Offered: Autumn 2013**

Lecturer: Svante Lindberg

Aim: To give the students an introduction to the history of French literature from the 16th to the 18th century. Reading of representative texts from that period in the original language and basic literary analysis.

Format: lectures, seminars, individual reading, papers, oral presentations

Prerequisites: fluency in French

Target audience: year 2 or higher

Form of assessment: active participation, papers, oral presentations, written examinations

Contact hours: 32

### **Histoire et analyse littéraires : XIX-XXIe siècles**

**5 credits**

**Intermediate level**

**Lectures and seminars**

**Offered: Spring 2014**

Lecturer: Svante Lindberg

Aim: To give the students an introduction to the history of French literature from the 19th to the 21st century. Reading of representative texts from that period in the original language and basic literary analysis.

Format: lectures, seminars, individual reading, papers, oral presentations

Prerequisites: fluency in French

Target audience: year 2 or higher

Form of assessment: active participation, papers, oral presentations, written examinations

Contact hours: 36

## ARTS

### **Le roman francophone contemporain**

**5 credits**

**Advanced level**

**Lectures and seminars**

**Offered: Autumn 2013**

Lecturer: Svante Lindberg

Aim: To give an introduction to the contemporary novel written in French and to read 3-4 representative francophone works in the original language. Terminology, concepts and textual analysis.

Format: lectures, seminars, individual reading and research, papers

Prerequisites: fluency in French

Target audience: years 3-4

Form of assessment: active participation, presentations and a final paper

Contact hours: 16

### **Théorie littéraire et analyse de textes**

**5 credits**

**Intermediate to advanced level**

**Lectures and seminars**

**Offered: Spring 2014 (to be confirmed)**

Lecturer: Svante Lindberg

Aim: Introduction to some analytical approaches in the study of literature

(structuralism, poststructuralism, postmodernism, etc.). Practice of literary analysis. One literary work in French will be read and analyzed.

Format: lectures and seminars

Prerequisites: fluency in French

Target audience: years 2-4

Form of assessment: active participation, a final paper

Contact hours: 18

### **Médias et discours médiatiques en France**

**5 credits**

**Intermediate level**

**Lectures and seminars**

**Offered: Autumn 2013 (to be confirmed)**

Lecturer: Sylvain Tanquerel

Aim: To give the students the analytical tools to French media discourse.

Format: lectures, seminar discussions, individual readings, written papers

Prerequisites: fluency in French

Target audience: Year 2 or higher

Form of assessment: written examination

Contact hours: 16

### **Didactique du français langue étrangère**

**10 credits**

**Advanced level**

**Lectures and seminars**

**Offered: Spring 2014**

Lecturer: Sylvain Tanquerel

Aim: To give the students a theoretical framework for teaching French as a foreign language and an introduction in the practice of teaching French

Format: lectures, seminar discussions, individual readings, written papers, oral presentations

Prerequisites: 2 or 3 years of French studies on university level.

Target audience: Year 4 or 5

Form of assessment: diary, oral presentations

Contact hours: 36

### **Ecrit académique**

**5 credits**

**Advanced level**

**Lectures and seminars**

**Offered: Autumn 2013**

Lecturer: Sylvain Tanquerel

Aim: To give the students abilities to write academic text in the French Perspective

Format: lectures, seminar discussions, individual readings, written papers, written exercises

Prerequisites: 2 years of French studies on university level

Target audience: Year 4 or 5

Form of assessment: portfolio of written papers, written examination

Contact hours: 32

### **Francophonie**

**5 credits**

**Advanced level**

**Self-study course**

**Offered: Upon agreement**

Lecturer: Sylvain Tanquerel

Aim: To give the students notions of the Francophony in the World in the fields of culture, politics, economy and language.

Format: individual readings

Prerequisites: fluency in French

Target audience: Year 4 or 5

Form of assessment: written examination

### **Syntaxe et sémantique du français**

**5 credits**

**Advanced level**

**Lectures and seminars**

**Offered: Spring 2014**

Lecturer: Meri Larjavaara

Aim: Observation and analysis of linguistic phenomena. Study in depth of one linguistic field.

Prerequisites: fluency in French

Format: Lectures, seminar discussions, individual reading and research, oral presentations.

Target audience: year 3 - 4.

Form of assessment: Diary and presentation.

## **German Language and Literature**

Herzlich willkommen zu unserem recht temperamentvollen Fach. Im Fach Germanistik werden praktisch alle Kurse auf Deutsch abgehalten. Ausländische Studierende mit nachgewiesenen guten Sprachkenntnissen im Deutschen (eventuell Sprachprüfung) sind herzlich willkommen.

Die Germanistik an der Åbo Akademi hat ein weites Netzwerk an Kooperations-Universitäten. So findet zum Beispiel ein ständiger Austausch an Dozenten mit deutschen Erasmus-Partneruniversitäten statt. Außerdem werden den Studierenden ausgezeichnete Möglichkeiten geboten, zeitweise an deutschen Universitäten zu studieren. Auf diese Weise haben die Studierenden die Möglichkeit, ihre Kenntnisse der deutschen Sprache und Kultur im Alltag der deutschen Gesellschaft zu vertiefen. Eine internationale wissenschaftliche Kooperation mit Universitäten aus vielen europäischen Ländern (Name der Kooperation: Europäische Kulturen in der Wirtschaftskommunikation) sowie eine regelmäßige Kongress- und Publikationstätigkeit garantieren ein hochklas-

siges Unterrichts- und Vorlesungsniveau mit der Umsetzung neuester wissenschaftlicher Erkenntnisse.

Zur Zeit existieren Erasmus-Verträge mit den Universitäten Bern, Braunschweig, Bremen, Budapest, Darmstadt, Dresden, Eichstätt, Flensburg, Freiburg, Göttingen, Halle-Wittenberg, Heidelberg, Leipzig, Regensburg, Jena und Hildesheim.

Innerhalb der Germanistik an der Universität Åbo Akademi können drei verschiedene Studienprogramme absolviert werden.

Die Programme im Einzelnen:

1) Haben Sie einen guten bis sehr guten BA (kandidatexamen) in den Geisteswissenschaften (Germanistik oder angrenzende Fächer) abgeschlossen und gute bis sehr gute Deutschkenntnisse? Vielleicht haben Sie schon einmal überlegt, in Deutschland weiter zu studieren – aber auf einen finnischen MA-Abschluss möchten Sie auch nicht verzichten. Hier ist die Lösung: ein Double-Degree-Studium, das Ihnen nach 2 Jahren ein vollgültiges Examen (Double-Degree-Master) in Finnland und Deutschland bringt. Dadurch bietet dieser Abschluss mehr als die traditionellen MAs: Internationaler Master-Degree „Werbung interkulturell“ in Kooperation zwischen dem germanistischen Institut der Universität Åbo Akademi und der Universität Eichstätt-Ingolstadt. Das Programm bildet kompetente Sprachwissenschaftler unter anderem für den inländischen und den deutschsprachigen Markt aus. Die Relevanz für das Arbeitsleben findet sich sowohl auf nationalem als auch auf internationalem Niveau.

Ziel des Programms ist es, zukünftige Entscheidungsträger innerhalb eines Arbeitsspektrums auszubilden, das den Bereich der Public Relations im weiteren Sinne betrifft. Weiterhin wird in der Ausbildung Gewicht auf Kommunikationsvermögen und Kreativität gelegt. Das Programm bildet für eine Karriere in sowohl national wie auch international tätigen Organisationen aus.

Zielgruppe sind Studierende mit bestandenem BA-Examen, mit Vorzug im Bereich der Geisteswissenschaften. Sehr gute Deutschkenntnisse sind erwünscht. Studierende die keine muttersprachigen Kenntnisse im Deutschen haben, sollen möglichst 70 ECTS im Bereich Germanistik haben.

Für das Programm werden 25 Studenten aufgenommen, 20 aus Deutschland und fünf Studenten aus Finnland. Die Aufnahme erfolgt in der Universität Åbo Akademi/Germanistisches Institut und in Eichstätt auf der Grundlage von Bewerbungspapieren und Interviews. Sie setzt ein BA-examen voraus. Die Bewerbungen werden an der Åbo Akademi spätestens am 29. April (Ankunftsdatum) eingereicht, in Eichstätt nach den dortigen Gegebenheiten.

Nähere Auskünfte zum Programm gibt: Prof. Dr. Christopher Schmidt (cschmidt@abo.fi) Åbo Akademi, Germanistik, Fabriksgatan 2, FIN 20500 Åbo. Oder informieren Sie sich auf der Homepage des Studienganges: <http://interculturad.ku-eichstaett.de/>

2) Interkultureller Studiengang Wirtschaftsgermanistik  
Der Studiengang der interkulturellen Wirtschaftsgermanistik am Germanistischen Institut der Åbo Akademi ist vom Profil her interdisziplinär angelegt. Er ist fakultätsübergreifend sowohl in der geisteswissenschaftlichen Fakultät als auch in der Fakultät für Wirtschaftswissenschaften verankert. Die Zulassung zum Studium im Bereich dieses Studiengangs im Fach Germanistik berechtigt automatisch auch zum Studium der benötigten wirtschaftswissenschaftlichen Kurse. Der Studiengang zielt auf die Examination von Entscheidungsträgern für die Karriere im internationalen Umfeld der heutigen Wirtschaft und Gesellschaft ab. Dieser Studiengang vereint die Kompetenzen in den Sprach- und Sozialwissenschaften mit einer starken interkulturellen Verankerung. So sind auch die Kurse im Fach Germanistik innerhalb dieses Studiengangs

schon inhaltlich auf die Herausforderungen in diesem beruflichen Bereich ausgerichtet. Der Studiengang bietet auf diese Weise die Etablierung vielseitiger und den Bedürfnissen des Arbeitslebens angepasster Kompetenzen. Zu den einzelnen Veranstaltungen in dieser Linie siehe weiter unten.

3) „Deutschlandstudien“ wird in Kooperation zwischen dem germanistischen Institut der Universität Åbo Akademi und der Martin-Luther-Universität Halle-Wittenberg in Form eines internationalen Double Degree-Programms durchgeführt. Das Programm bildet in Sprache und Kultur kompetente Wissenschaftler als Lehrer und Dozenten im Ausbildungsbereich (DaF) und Kulturmanagement im weitesten Sinne sowohl für den nordischen als auch für den deutschsprachigen Markt aus. Die Relevanz für das Arbeitsleben findet sich sowohl auf nationalem als auch auf internationalem Niveau. Das Programm entspricht einem Bedarf an breit angelegter Kompetenz im Bereich der Lehre, die den eigenkulturellen Bereich, mit dem einer weiteren europäischen Region (hier dem fennoskandinavischen Raum) resp. dem deutschsprachigen Raum verbindet. Ziel des Programms ist es, in einem zusammenwachsenden Europa Lehrenden ein Arbeitsspektrum auf dem europäischen Markt zu eröffnen, wobei auf das gute Abschneiden der Lehre in Finnland in den Pisa-Studien hinzuweisen ist. Weiterhin wird in der Ausbildung Gewicht auf Kommunikationsvermögen und Kreativität gelegt (Kriterien, die für jeden Lehrberuf von zentraler Bedeutung sind). Zielgruppe sind Studierende mit bestandener BA-Examen, mit Vorzug im Bereich der Geisteswissenschaften. Studierende, die keine muttersprachigen Kenntnisse im Deutschen haben, sollen möglichst 60 ECTS im Bereich Germanistik haben. Der Schwerpunkt des Programms liegt auf den Geisteswissenschaften.

Für das Programm werden 25 Studenten aufgenommen, 20 aus Deutschland und 5 Studenten aus Finnland. Die Aufnahme erfolgt in der Universität Åbo Akademi / Germanistisches Institut und am Germanistischen Institut der Universität Halle-Wittenberg. Sie setzt ein abgeschlossenes BA-Examen voraus. Die Bewerbungen werden an der Åbo Akademi spätestens am 29. April eingereicht, in Halle-Wittenberg nach den dortigen Gegebenheiten.

Das 1. Semester des Studiums wird an der jeweiligen Heimatuniversität abgelegt, das 2. in Turku, das 3. in Halle und das 4. wieder an der jeweiligen Heimatuniversität. Studenten, die dieses Programm mit dem Master abschließen, erhalten ein Zeugnis aus Deutschland und aus Finnland (Double Degree). Bei Fragen wenden Sie sich bitte an Prof. Christopher Schmidt (christopher.schmidt@abo.fi) oder an Oliver Winkler (oliver.winkler@abo.fi).

4) Lehrerlinie

In diesem Studiengang werden zukünftige Lehrer für alle Lehramtsniveaus auf Schul- und Fachhochschulebene ausgebildet. Ein gut funktionierendes Kooperationssystem mit der Pädagogischen Fakultät in Vasa ermöglicht eine geschmeidige Verbindung von Fachstudium und Referendariat.

5) Allgemeine Linie

Die Studierenden, die sich noch nicht für einen der oben dargestellten Studiengänge entschieden haben, können wahlweise ihr Studium nach individuellen Präferenzen aufbauen.

Provisorisches Vorlesungsverzeichnis 2013/2014

N.B.: Austauschstudenten werden für Grundkurse des ersten Jahres nicht zugelassen, weshalb diese Kurse in diesem Verzeichnis nicht erfasst sind.

\* Die Kurse, die mit einem Stern markiert sind, sind obligatorische Teile der Deutschlandstudien. Sie stehen aber auch

## ARTS

Studenten offen, die nicht dieses Programm studieren, also auch Austauschstudenten, sofern sie auf MA-Niveau sind. Das Modul ist ein Pflichtmodul im Double Degree Master-Studiengang Kultur, Sprache und Kommunikation/German Studies und ist offen für weitere Studierende der Germanistik auf Master-Ebene.

*Autumn 2013*

*BA level:*

### **Literatur und ihre Didaktisierung**

**8 credits**

**BA-level**

**Offered: Autumn 2013**

Lecturer: Oliver Winkler, Dina Heegen

Contents: Die Studierenden sollen einen Einblick erhalten in verschiedene Stationen des Schweizer Literaturbetriebs zwischen 1945 und der Gegenwart. Anhand von einzelnen Werken verschiedener Schweizer Autoren sollen die TeilnehmerInnen ihre Kenntnisse der literarischen Textinterpretation vertiefen. Als Leitfaden zwischen den einzelnen Autoren und Werken steht die Frage, inwiefern der literarische Text als Vermittler und Träger von ‚Kultur‘ fungiert und als solcher gerade für den Bereich des Fremdsprachenunterrichtes nutzbar gemacht werden kann.

Aus einer Auswahl von Werken verschiedener Schweizer Autoren und verschiedener literarischer Gattungen wählen die Studierenden ein Werk aus, das sie im Hinblick auf den oben dargelegten Fragehorizont analysieren und im Rahmen eines Vortrages präsentieren.

Total hours: 216 h

### **Deutschland in Europa**

**8 credits**

**BA-level**

**Offered: Autumn 2013**

Lecturer: Kimmo Elo

Contents: Der Kurs bietet eine Einführung in zeitgeschichtliche Diskussionen über die Rolle Deutschlands in Europa von 1945 bis zur Gegenwart. Der Schwerpunkt liegt auf wissenschaftlich orientierten Texten (Essays, Studien), in denen das Verhältnis Deutschlands zu Europa erörtert und diskutiert wird. Als Leitfaden zwischen den unterschiedlichen Texten steht die Frage, wie, einerseits, das Verhältnis Deutschlands zu Europa konstruiert wird und, andererseits, was deutsche Autoren unter ‚Europa‘ verstehen und wie sie die Idee Europas konstruieren und re-/de-konstruieren.

Learning outcomes: Durch Inhaltsanalysen und Gruppendiskussion sollen die Studierenden einen Einblick erhalten, wie das vielseitige und oft kontroverse Verhältnis Deutschlands zu Europa in deutschen zeithistorischen Analysen behandelt worden ist. Aus einer Auswahl von Texten wählen die Studierenden einen Text aus, den sie im Hinblick auf das Verhältnis Deutschland-Europa analysieren und in Form einer schriftlichen Seminararbeit (Umfang 10-15 Seiten) vorlegen.

Total hours: 200 h

### **Einführung in die deutsche Sprachwissenschaft**

**3 credits**

**BA-level**

**Offered: Autumn 2013**

Lecturer: Gerhard Schildberg-Schroth

Contents: Ausgangspunkt ist die Frage nach dem Wesen und Ursprung von Sprache, von wo aus ein kulturell-semiotischer Rahmen für die für Wort, Satz und Text gleichermaßen relevanten Betrachtungsebenen von Form/Ausdruck (=Syntaktik),

Bedeutung/Sinn (=Semantik) und Situation/Intentionalität/Wirkung (=Pragmatik) gesucht wird. Daran anknüpfend, wird nach einem Blick auf die Stellung des Deutschen unter den Sprachen der Welt dessen Standardvarietät zum Objekt linguistisch-systematischer Auseinandersetzung. Was im Rahmen des Kurses jedoch nur exemplarisch geschehen kann. Im Fokus stehen Laut-, Morphem- resp. Lexem-, Frame- und semantische Netzwerkbeschreibungen, die zu Fragen der Sprachfunktionsbestimmung (s. Sprechakttheorie) fortgeführt werden. Angeschlossen daran wird die Frage nach der Stellung des Standards als Norm- resp. plurizentristische Sprache des Deutschen, was, außer in diachronem, auch in dialektalem, diastratischem, medialem und funktionalem Zusammenhang das Konzept der sogenannten „Lekte“ zur Sprache zu bringen lässt. Bei allen Fragen wird versucht, einen Bezug zur Didaktik des (Fremd)Sprachen-, Literatur- und Landeskunde-Unterrichtes herzustellen.

Lehr/Lernziele

I. Die Studierenden beschäftigen sich mit:

--bisherigen Erfahrungen und Kursen im Umfeld zur Sprachwissenschaft (s. allgemeine Sprachwissenschaft)

--der Rolle der Sprachwissenschaft im Rahmen des Faches Deutsch, ihren möglichen Aufgaben und Anknüpfungspunkten im Curriculum

II: Die Studierenden bemühen sich um Einsichten:

--zur kulturell-gesellschaftlichen Rolle der Sprache in ontogenetischer Hinsicht (=Vollzug des Spracherwerbs beim einzelnen Menschen) sowie in phylogenetischer Hinsicht (=Rolle der Sprache bei der Herausbildung menschlicher Kultur)

--zur Modellierung/Systematisierung verschiedener Sprach-Erscheinungsformen des Deutschen im Zusammenhang mit Dialekt (vs) Standardsprache, Idiolekt (vs) Soziolekt, Wissenschafts/Fachsprache (vs) Alltagssprache (vs) ästhetisch-poetische Sprachform sowie gesprochene (vs) geschriebene Sprachform

--zur deutschen Standardsprache, ihren Varietäten und ihrer (unterschiedlichen) Stellung in Historie und Gegenwart einschließlich Fragen ihrer Normierung (vgl. z.B. die „Denglisch“-Kontroverse)

--zu sprachwissenschaftlichen Beschreibungs/Analyseverfahren des Deutschen auf Wort-Satz-Text-Ebene

III. Der Kurs gibt Studierenden Gelegenheit

--zu Diskussion und Analyse sprachtheoretischer Ansätze einschließlich des Erwerbs des dafür nötigen (Fach)Wortschatzes

--zur Abfassung schriftlicher Extrakte zu Modellen und Theorien resp. deren Anwendungen

--zur Arbeit mit Nachschlagewerken und einführender Fachliteratur im Umfeld Sprachwissenschaft/ Linguistik

Total hours: 78

*MA level:*

### **Textlinguistik\***

**5 cr**

**MA-level**

**Offered: Autumn 2013**

Lecturer: Oliver Winkler

Contents:

- Unterschiedliche Konzeptionen und Begriffe: z.B. Kohärenz/ Kohäsion, Textualität, Thema, pragmatische, semantische und grammatische Makrostrukturen

- Typologie der Textsorten, kommunikativen Gattungen, komplexen Handlungsmuster

- konkurrierende theoretische Konzepte (Textsorte, kommunikative Gattung, komplexes Handlungsmuster)

- Hypertext und Intertextualität
  - Texte in verschiedenen Medien und Kontexten
  - Textproduktion (z.B. 'Wissenschaftliches Schreiben', '(Gemeinsames) Schreiben am Arbeitsplatz')
  - Kognitive und handlungstheoretische Aspekte der Textrezeption
  - Textverständlichkeit und Textverstehen
- Learning outcomes:
- Exemplarische Rezeption der Fachliteratur unter diversen Fragestellungen
  - Vertiefte Kenntnisse über die Entwicklung der Textlinguistik, deren Theorien und Methoden sowie über Anwendungsgebiete
  - Kenntnisse über aktuelle Forschungsprobleme
  - Kritischer Umgang mit konkurrierenden theoretischen Konzepten und der kritischen Einordnung von Debatten
  - Fähigkeit, textlinguistische Verfahren auf unterschiedliche Texte bzw. in unterschiedlichen Textsorten anzuwenden
  - Reflexion über die mediale Bedingtheit von Texten, über Intertextualität und Hypertext
  - Anwendung textlinguistischer Theorien und Verfahren im Hinblick auf Rhetorik, Argumentationstheorien und Stilistik
- Total hours: 135 h

### **Gesprächsanalyse\***

**5 credits**

**MA-level**

**Offered: Autumn 2013**

Lecturer: Oliver Winkler

Contents:

- Mündlichkeit und Schriftlichkeit
- Methoden bei der Aufnahme (z.B. Beobachterparadoxon) und Transkription von Gesprächen
- Zentrale Gesprächsaspekte: Sprecherwechsel, Präferenzstrukturen, Reparaturen
- Grammatische und pragmatische Projektion, Teilnehmerrollen
- Gesprächstypologien (Gespräche in Institutionen, im Beruf, im Privaten)
- Konzeptuelle Mündlichkeit im Internet: z.B. Chat

Learning outcomes:

- Vertiefte Kenntnisse der verschiedenen Strömungen in der Gesprächslinguistik
- Kenntnisse über interdisziplinäre Zusammenhänge und fächerspezifische Differenzen der Gesprächsforschung (Konversationsanalyse, Ethnomethodologie, Funktionale Pragmatik, 'interactional linguistics')
- Vervollkommnung bei der Aneignung eines gängigen Transkriptionsverfahrens
- Fähigkeit zur selbstständigen Anfertigung von Basis- und Feintranskripten
- Fähigkeit, gesprächsspezifische Merkmale zu identifizieren und sie Gesprächsphasen, Gesprächsverläufen und Gesprächsgattungen zuordnen zu können
- Fähigkeit zum konstruktiven Umgang mit der Multimodalität von Gesprächen
- Einsicht in die Beziehung zwischen Struktur und Verlauf von Gesprächen einerseits und ihrem institutionellen, professionellen, informellen etc. Rahmen andererseits
- Fähigkeit zur Identifikation und Analyse unterschiedlicher Teilnehmerrollen im Gespräch

Total hours: 135 h

### **Deutsche Literatur des Mittelalters und der beginnenden frühen Neuzeit\***

**5 credits**

**MA-level**

**Offered: Autumn 2013**

Lecturer: N.N.

Contents: Exemplarische Untersuchung von literarischen Texten des Mittelalters und der beginnenden Frühen Neuzeit unter spezifischen Forschungsgesichtspunkten der germanistischen Mediävistik

- Einordnung der jeweiligen Texte in übergreifende poetologische, geistes- und literaturgeschichtliche Zusammenhänge
- Rezeptionen und Adaptionen literarischer Texte des Mittelalters und der beginnenden Frühen Neuzeit bis zur Gegenwart

Learning outcomes:

- Vertiefung der Kenntnisse über die Literatur und Literaturtheorie des Mittelalters und der beginnenden Frühen Neuzeit
  - Vertiefung der Fähigkeit, unter Einbeziehung der einschlägigen Forschung und ihrer Methoden selbstständig die Analyse und Interpretation von literarischen Texten des Mittelalters und der beginnenden Frühen Neuzeit durchzuführen
  - Vertiefte Kenntnisse über die spezifischen Produktions- und Rezeptionsbedingungen der Literatur des Mittelalters und der beginnenden Frühen Neuzeit im europäischen Kontext
- Total hours: 100h

### **Deutsche Sprachgeschichte, Historische Grammatik des Deutschen\***

**5 credits**

**MA-Level**

**Offered: Autumn 2013**

Lecturer: Dagmar Neuendorff

Learning outcome:

- Vertiefte Kenntnisse der Entwicklung der deutschen Sprache auf all ihren Ebenen von ihren Vorstufen bis in die Gegenwart unter Einbeziehung der die Entwicklung gestaltenden Einflussfaktoren
  - Fähigkeit zur historischen Erklärung des grammatischen Systems, Lexikons und Varietätenspektrums der deutschen Gegenwartssprache
  - Fähigkeit zu eigenständiger grammatischer Analyse und Beschreibung von Texten aller Sprachepochen des Deutschen unter Einbeziehung verschiedener grammatischer Beschreibungsmodelle
  - Fähigkeit zur sprachhistorischen und sprachregionalen Verortung von Texten aller Sprachepochen des Deutschen
- Content: - textbasierte Untersuchungen zur Grammatik, Lexik und Pragmatik aller historischen Sprachstufen des Deutschen und seiner Varietäten
- geschichtliche Entwicklung des Laut-, Formen- und syntaktischen Systems sowie des Lexikons der deutschen Sprache
  - Geschichte der Grammatikographie und Lexikographie als Geschichte von Codifizierung und Normierung
  - Sprachwandeltheorien
  - Sprachgeschichte als Teil der Kulturgeschichte

## ARTS

Spring 2014

BA level:

### Angewandte Linguistik

8 credits

BA-level

Offered: Spring 2014

Lecturer: Oliver Winkler

Contents: Im Seminar befassen wir uns mit den Problem- und Aufgabenfeldern der angewandten Linguistik. In einem ersten theoretischen Teil sollen einige grundlegende Kommunikationsmodelle behandelt werden, die bis heute in der Forschung nachwirken (u.a. Watzlawick et al. 1969; Bühler 1978). In einem zweiten praxisorientierten Teil des Kurses beschäftigen wir uns mit einzelnen konkreten Bereichen, auf die Linguistik angewandt werden kann (Internet, Politik, Journalismus, Schule, betriebliche Praxis usw.). Die Studenten sollen anhand eines selbst ausgewählten Fallbeispiels zeigen können, wo und mit welchen Mitteln die angewandte Linguistik zur Lösung eines Problems beitragen kann.

Learning outcomes:

- Überblick über verschiedene Theorie- und Praxisfelder der angewandten Linguistik
- vertiefte Auseinandersetzung mit einem Praxisfeld der angewandten Linguistik
- Fähigkeit aus einem komplexen Gebiet eine konkrete Fragestellung abzuleiten und anschaulich darzustellen
- Entwicklung eines Bewusstseins für Kommunikation als Form sozialen Handelns

Total hours: 200 bzw. 225 h

### Seminar Literatur und Geschichte:

#### Literaturnobelpreisträger

8 credits

BA-level

Offered: Spring 2014

Lecturer: Gerhard Schildberg-Schroth

Contents: Nach dem Willen des Stifters sollte der Nobelpreis demjenigen lebenden Schriftsteller zuteil werden, "der in der Literatur das Vorzüglichste in idealer Richtung geschaffen hat." Die Tradition der Preisverleihung hat dabei gezeigt, dass dieses Kriterium in vielfältigster, ja bisweilen höchst umstrittener Weise Anwendung gefunden hat. Es liegt in der Aufgabe des Seminars, sich dieser Tradition der Preisverleihung am Beispiel deutsch-sprachiger Autoren zuzuwenden. Ausgehend von einem Blick auf den literaturhistorischen Rahmen der Preisverleihungen, die das Gesamt der Geschichte des 20. Jahrhunderts bis hin zu jüngsten Gegenwart ins Bild bringen, werden neben den literarischen "Schwergewichten", Gerhart Hauptmann und Thomas Mann, die Preisträger nach dem 2. Weltkrieg im Vordergrund des Interesses stehen (also H. Hesse, N. Sachs, H. Böll, G. Grass, E. Jelinek, H. Müller). Dies gilt zum einen im Hinblick auf die Frage der Begründungen des Nobelkomitees samt den Reaktionen auf die je vorgenommenen Preisverleihungen; und es gilt zum anderen im Hinblick auf die Biographien der Preisträger einschließlich ihrer Werke, die jeweils exemplarisch zur Sprache zu bringen sind. Die Behandlung der Preisträger erfolgt je nach Interesse und Wahl der Teilnehmer.

Lehr/Lernziele

- I. Die Studierenden machen sich vertraut mit Nachschlagewerken und Fachliteratur im Umfeld:
  - des Nobelpreises mit dem Focus auf den Literaturnobelpreis
  - der deutschen Historie und Literaturgeschichte, ihren Epochen und Brennpunkten
  - einzelner Autoren des 20. resp. 21. Jahrhunderts

II. Die Studierenden machen sich im Rahmen der Thematik des Nobelpreises vertraut mit:

- der Idee und dem Procedere des Nobelpreisverleihung im allgemeinen sowie der Idee des Literaturnobelpreises im besonderen
  - erwerben einen Überblick über die Verleihung des Literaturnobelpreises von 1901 bis zur Gegenwart
  - informieren sich über die deutsch-sprachigen Preisträger im Zusammenhang übergreifender (makro)-historischer wie literaturhistorischer Bezüge sowie
  - Fragen der gesellschaftlichen Funktion der Literatur im Zusammenhang mit
  - Ansätzen und Kriterien zur literarischen Wertung
- III. Die Studierenden setzen sich mit einem Laureaten und dessen Werk mündlich (Referat) und schriftlich (Seminararbeit) auseinander, wobei sie folgende Aspekte behandeln:
- Preisverleihung und deren Begründung
  - Biographie und Reaktion des Laureaten auf die Preisverleihung
  - exemplarische Betrachtung eines im Zusammenhang der Preisverleihung relevanten Werkes
  - Reaktionen auf die Preisverleihung
  - Formulierung eines eigenen Urteils zum Werk des Preisträgers

Total hours: 200 h

MA level:

### Gestern ist heute! Konfliktformen und Konfliktlösungen\*

10 credits

MA-level

Offered: Spring 2014

Lecturer: Kimmo Elo

Contents: In diesem Modul werden Konfliktformen und Konfliktlösungen in der Gegenwart herausgearbeitet und unter Verwendung eines diskursanalytischen Ansatzes in der Geschichte zurückverfolgt. Die Studenten identifizieren in Projektgruppen selbständig Problembereiche, entwickeln ein Projektdesign und diskutieren die Ergebnisse anhand einer schriftlichen Vorlage. Das Modul ist ein Pflichtmodul im Double Degree Master-Studiengang Kultur, Sprache und Kommunikation/German Studies und ist offen für weitere Studierende der Germanistik auf Master-Ebene

Total hours: 250 h

### Literatur und Gespräch\*

10 credits

MA-level

Offered: Spring 2014

Lecturer: Oliver Winkler

Aim and contents: In diesem Modul werden Gesprächstypologien an ausgewählten literarischen Beispielen erarbeitet. Die Studenten verfügen über literaturhistorisches Überblickswissen und können spezifische Gesprächshandlungen methodisch gesichert analysieren und einordnen. Der Kursaufbau und die Unterrichtsformen sind darauf ausgerichtet, die Teilnehmerinnen zur eigenständigen wissenschaftlichen Arbeit anzuregen. Im Vordergrund steht die gemeinsame Arbeit an den Texten. Dabei sollen die Studierenden sowohl ihre Fähigkeiten der Rezeption wissenschaftlicher Literatur als auch ihre Kompetenzen in der mündlichen und schriftlichen Produktion verbessern.

Total hours: 275 h

### Neuere deutsche Literaturgeschichte\*

5 credits

MA-level

Offered: Spring 2014

Lecturer: Kimmo Elo

Contents:

- Exemplarische Untersuchung von literarischen Texten aus der Zeit vom Barock bis zur Gegenwart unter spezifischen Forschungsgesichtspunkten;
- Rezeption und Diskussion ästhetischer und poetologischer Kategorien und Begriffe im historischen und kulturellen Kontext der Literaturepochen vom Barock bis zur Gegenwart unter Einbeziehung des aktuellen Forschungsstands;
- Anwendung von Methoden und Verfahren der Analyse und Interpretation von literarischen Texten auf historische Werkgruppen.

Learning outcomes:

- Vertiefte Kenntnisse über verschiedene Epochen der deutschsprachigen Literatur vom Barock bis zur Gegenwart und die Fähigkeit, diese anhand literarischer Texte nachzuzeichnen und zu problematisieren;
- Vertieftes Wissen über ästhetische und poetologische Merkmale von literarischen Texten im historischen und kulturellen Kontext vom Barock bis zur Gegenwart;
- Vertiefung der Fähigkeit, unter Einbeziehung der einschlägigen Forschung und ihrer Methoden selbstständig die Analyse und Interpretation von literarischen Texten aus der Zeit des 17. Bis zur Gegenwart durchzuführen.

Total hours: 125 h

### Themen, Stoffe, Motive\*

5 credits

MA-level

Offered: Spring 2014

Lecturer: Kimmo Elo

Contents:

- Einzelne, für die Literatur bedeutende Themen, Stoffe und Motive in ihrer historischen Entfaltung;
- Einordnung und Diskussion der jeweiligen Themen, Stoffe oder Motive in geistesgeschichtliche Zusammenhänge;
- themen-, stoff- oder motivgeschichtliche Einzelanalysen literarischer Werke

Learning outcomes:

- Fähigkeit, spezifische Fragestellungen der Forschung aus dem Bereich der Themen-, Stoff oder Motivgeschichte zu erörtern;
- vertiefte Kenntnisse der historischen Transformation einzelner Themen, Stoffe und Motive;
- Vertiefung der Fähigkeit zur selbstständigen Analyse und Interpretation ausgewählter literarischer Längs- und Querschnitte

Total hours: 125 h

### Seminar Literatur und Geschichte:

#### Literaturnobelpreisträger

106561.6

9 credits

MA-level

Offered: Spring 2014

Lecturer: Gerhard Schildberg-Schroth

Contents: Nach dem Willen des Stifters sollte der Nobelpreis demjenigen lebenden Schriftsteller zuteil werden, "der in der Literatur das Vorzüglichste in idealer Richtung geschaffen hat." Die Tradition der Preisverleihung hat dabei gezeigt, dass dieses Kriterium in vielfältigster, ja bisweilen höchst umstrittener Weise Anwendung gefunden hat. Es liegt in der Aufgabe

des Seminars, sich dieser Tradition der Preisverleihung am Beispiel deutsch-sprachiger Autoren zuzuwenden. Ausgehend von einem Blick auf den literaturhistorischen Rahmen der Preiszuteilungen, die das Gesamt der Geschichte des 20. Jahrhunderts bis hin zu jüngsten Gegenwart ins Bild bringen, werden neben den literarischen "Schwergewichten", Gerhart Hauptmann und Thomas Mann, die Preisträger nach dem 2. Weltkrieg im Vordergrund des Interesses stehen (H. Hesse, N. Sachs, H. Böll, G. Grass, E. Jelinek, H. Müller). Dies gilt zum einen im Hinblick auf die Frage der Begründungen des Nobelkomitees samt den Reaktionen auf die je vorgenommenen Preisverleihungen; und es gilt zum anderen im Hinblick auf die Biographien der Preisträger einschließlich ihrer Werke, die jeweils exemplarisch zur Sprache zu bringen sind. Die Behandlung der Preisträger erfolgt je nach Interesse und Wahl der Teilnehmer.

Lehr/Lernziele

I. Die Studierenden machen sich vertraut mit Nachschlagewerken und Fachliteratur im Umfeld:

--des Nobelpreises mit dem Focus auf den Literaturnobelpreis  
--der deutschen Historie und Literaturgeschichte, ihren Epochen und Brennpunkten

--einzelner Autoren des 20. resp. 21. Jahrhunderts

II. Die Studierenden machen sich im Rahmen der Thematik des Nobelpreises vertraut mit:

--der Idee und dem Procedere des Nobelpreisverleihung im allgemeinen sowie der Idee des Literaturnobelpreises im besonderen

--erwerben einen Überblick über die Verleihung des Literaturnobelpreises von 1901 bis zur Gegenwart

--informieren sich über die deutsch-sprachigen Preisträger im Zusammenhang übergreifender (makro)-historischer wie literaturhistorischer Bezüge sowie

--Fragen der gesellschaftlichen Funktion der Literatur im Zusammenhang mit

--Ansätzen und Kriterien zur literarischen Wertung

III. Die Studierenden setzen sich mit einem Laureaten und dessen Werk mündlich (Referat) und schriftlich (Seminararbeit) auseinander, wobei sie folgende Aspekte behandeln:

--Preisverleihung und deren Begründung

--Biographie und Reaktion des Laureaten auf die Preisverleihung

--exemplarische Betrachtung eines im Zusammenhang der Preisverleihung relevanten Werkes

--Reaktionen auf die Preisverleihung unter Beachtung literaturwissenschaftlicher Standpunkte und Kontroversen

--Formulierung eines eigenen Urteils zur Preisverleihung mit Bezug auf den zuvor behandelten Autor und sein Werk

Total hours: 225 h

## Russian Language and Literature

Studies at the department demand a good knowledge of the language. Students who do not have a command of Russian must study the language at the Language Centre of Åbo Akademi (courses Russian I-IV) before entering the department. In the Language Centre Swedish is used in the teaching of Russian.

In some courses at the department Swedish is used as a language of explanation, or as a language of contrast (syntactical studies, translation exercises).

In the following courses Russian is used exclusively:

*BA level:*

### **Russian phonetics**

**109002.0**

**5 credits**

**Offered: Autumn 2013- Spring 2014**

Contents: The aim of the course is to give the students an understanding of the Russian phonetic system and by practicing correct their pronunciation.

*MA level:*

### **Written summarizing of scholarly texts, writing practice (different types of texts)**

**109502.0**

**6 credits**

**Self-study course**

**Offered: Autumn 2013- Spring 2014 (Period 2-3)**

Contents: Articles of scholarly texts are used for referee-practicing. The students write different types of texts (reviews, official documents, users' guides etc).

It is not possible to study the whole programme of Russian at Åbo Akademi University with no knowledge of Swedish. Foreign visiting students having the command of Russian required can take the courses given in Russian on the same terms as the regular students of Russian. The teacher of the course tests the command of Russian.

# Biosciences

## Biochemistry

Several courses are taught in English throughout the academic year, however not all courses are given every year. Prerequisites for the classes: students should have at least two years of prior studies in biochemistry and a good general knowledge of chemistry.

It is also possible to do laboratory practice (7-15 weeks) in different research groups. Prerequisites for laboratory practice: Students are in general required to be on the MSc-level. A laboratory safety course at Åbo Akademi is also required before a student can work in a laboratory. Please consult Peter Mattjus for more information about further prerequisites for doing laboratory practice, which depends on the background of the student.

### **Computers in Bioresearch**

**211009.0**

**2 credits**

**Basic level**

**Lectured course**

**Offered: Autumn 2013 (repeated during spring 2014 upon request)**

Lecturer: Tiina Salminen

Aim and content: The purpose of the course is to provide the basic knowledge in computer science for beginners; computers, Windows and Linux operating systems, and computational terminology. The main focus is in the usage of computers with the linux operating system including the most important linux commands and tools needed during structural bioinformatics courses. The course is given in the Moodle e-learning platform.

Prerequisites: Basic knowledge in biochemistry. Sign-up in advance electronically on site <https://www.abo.fi/institution/coursesbiosci>.

Target audience: Year 2 or 3

Form of assessment: Examination, Project reports

Contact hours: Introductory lecture, computer exercises, projects

Course literature: All notes and materials provided. Cynthia Gibas, Per Jambeck: Developing Bioinformatics Computer Skills

### **Applied Bioinformatics**

**282005.0**

**6 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Tiina Salminen

Aim and content: The purpose of the course is to give practical introduction to data, methods and computing important to bioresearch today. The main focus is in the network based tools and resources for molecular and structural biology.

Prerequisites: Basic knowledge in biochemistry. Sign-up in advance electronically on site <https://www.abo.fi/institution/coursesbiosci>.

Target audience: Year 2 or 3

Form of assessment: Examination, Project reports

Contact hours: Lectures, computer exercises, projects

Course literature: All notes and materials provided. Recommended literature Jin Xiong (2006) Essential bioinformatics

**Protein structure in bioscience****4 credits****Intermediate level****Lectured course****Offered: Spring 2014**

Lecturer: Tiina Salminen

Aim and content: The main goal is to provide the student with good knowledge on the three-dimensional (3D) structure of proteins and the relationships between sequence, structure and function. The course is based on published structures and their usage in bioscience research, biotechnology and drug design.

Prerequisites: Basic knowledge in biochemistry. Sign-up in advance electronically on site <https://www.abo.fi/institution/coursesbiosci>.

Target audience: Year 2 or 3

Form of assessment: Examination, Project report

Contact hours: Lectures, computer exercises, projects

Course literature: All notes and materials provided.

**Computer-aided drug design****4 credits****Advanced level****Lectured course****Offered: Spring 2014 (period 4)**

Lecturer: Tiina Salminen

Aim and contents: This course gives an understanding of how drugs interact with macromolecules and strategies for how this information can be used in designing novel therapeutics using computational methods. The computational strategies based on the 3D structures of small molecules are also presented. The course contains lectures and computer exercises on ligand-based and structure-based drug design, drug-protein interactions, ligand docking, conformational analysis, pharmacophore hypothesis and quantitative structure-activity relationship.

Prerequisites: Basic knowledge in biochemistry. Sign-up in advance electronically on site <https://www.abo.fi/institution/coursesbiosci>.

Target audience: Year 4 or 5

Form of assessment: Examination, Project

Contact hours: Lectures (12h), computer exercises (8h), project

Course literature: All notes and materials provided. Hans-Dieter Höltje, Wolfgang Sippl, Didier Rognan, and Gerd Folkers (2003) Molecular modeling: basic principles and applications.

**Advanced studies in Structural Bioinformatics****13 credits****Advanced level****Supervised research work****Offered: 2013-2014****Lecturers: Mark Johnson and Tiina Salminen**

Aims/contents: Advanced studies in structural bioinformatics as part of a scientific research project

Prerequisites: Basic knowledge in biochemistry and an intermediate/advanced level course in structural bioinformatics.

Target audience: Year 4 or 5

Form of assessment: Project report and oral presentation of results.

Contact hours: Supervised research work in structural bioinformatics for eight weeks including report and presentation of the work.

Course literature: All notes and materials provided.

**Membrane biochemistry – proteins****213014.0****6 credits****Advanced level****Lectured course****Offered: Spring 2014**

Lecturer(s): J Peter Slotte and others

Aims: To understand the membrane as a solvent for proteins, to understand protein function in a membraneous environment.

Contents: Proteins in or at the bilayer, Experimental approaches for studying membrane proteins, Structural determination of membrane proteins, Membrane protein families and functions, Lipid/protein interaction in membranes, Membrane protein biogenesis, folding and targeting, Membrane-bound enzymes and transducers, Membrane transporters and channels, Electrophysiology of ion channels, Membrane protein assemblies, Role of ABC transporters in membranes, Lipid transfer proteins

Target audience: Masters level (4th and 5th academic year, graduate students)

Form of assessment: written essays

Course literature: Luckey: Membrane structural biology, Cambridge 2008

**Industrial Biotechnology: Fermentation****212016.0****2 credits****Intermediate level****Lectured course****Offered: January 2014, starting week 3**

Lecturers: Mark Johnson, Tomi Airene, Jarmo Käpylä

Aims: Introduce participants to practical uses of biochemistry and cell biology, through fermentation, to produce ales; Introduce participants to biochemical metabolism by showing how yeast (and even human muscle tissue) reflect the earliest biochemical pathways to produce energy - glycolysis and fermentation. Introduce participants to growing cells, preventing contamination, and how cellular growth and metabolism changes under conditions of high and low concentrations of oxygen. Show participants how the industrial processes like brewing are designed to take advantage of yeast metabolism during the different stages of fermentation. Form groups for project work from ÅAU, University of Turku, and Turku University of Applied Sciences in order to foster communication and ties that extend beyond each individual university.

Contents: Lectures, group work, short group presentation, laboratory work (brewing an ale from grain, hops, yeast and water), project evaluation by peers

Target audience: Open to all

Assessment: Credit awarded for participation; peer evaluation of project

Course literature: Two books are provided; course materials via Dropbox

Course materials: All equipment and ingredients provided; course has license from Valvira to produce ales

Other details: Course uses production hall laboratory and kitchen facilities of Turku University of Applied Sciences, Lemminkäisenkatu 30. Limited to 48 participants

**Glycobiology - Biochemistry of Complex Carbohydrates****6 credits****Advanced level****Self-study course****Offered: Upon agreement during the academic year**

## BIOSCIENCES

Contact person: Peter Mattjus  
Aims: to introduce the student to the essentials of glycobiology  
Target audience: Master's level  
Form of assessment: written examination  
Course literature: Essentials of Glycobiology, Second Edition, 2009 Cold Spring Harbor Laboratory Press.

### Fluorescence spectroscopy

**8 credits**

**Advanced level**

**Self-study course**

**Offered: Upon agreement during the academic year**

Contact person: J Peter Slotte  
Aims: to introduce the student to the essentials of fluorescence spectroscopy  
Target audience: Master's level  
Form of assessment: written examination  
Course literature: Lakowicz: Principles of fluorescence spectroscopy 2e or 3e

### Lipid metabolism

**8 credits**

**Advanced level**

**Self-study course**

**Offered: Upon agreement during the academic year**

Contact person: J Peter Slotte  
Aims: to introduce the student to the essentials of lipid metabolism  
Target audience: Master's level  
Form of assessment: written examination  
Course literature: Vance and Vance: Biochemistry of Lipids, Lipoproteins and Membranes, 4th ed

### The structure of biological membranes

**8 credits**

**Advanced level**

**Self-study course**

**Offered: Upon agreement during the academic year**

Contact person: J Peter Slotte  
Aims: to introduce the student to the essentials of membrane structure and function  
Target audience: Master's level  
Form of assessment: written examination  
Course literature: Yeagle: The structure of biological membranes, 2 ed

### Literature studies in Microbiology

**5 credits**

**Intermediate level**

**Self-study course**

**Offered: Upon agreement during the academic year**

Contact person: Pia Roos-Mattjus  
Target audience: Master's level  
Aims: to introduce the student to the essentials of microbiology  
Form of assessment: Written examination  
Course literature: Willey et al: Prescott's Principles of Microbiology 1st ed, McGraw-Hill

### Project work in research groups

**12-25 credits**

**Intermediate to advanced level**

**Practical course**

**Offered: Upon agreement during the academic year**

Lecturer(s): J Peter Slotte and others

Aims: To gain experience in laboratory work and research techniques in various scientific disciplines  
Contents: Laboratory work in selected research groups (check web site for group presentations)  
Target audience: Master's level  
Form of assessment: written laboratory reports  
Course literature: handouts

## Cell Biology

The cell is the smallest unit of life and all living organisms consist of cells. In order to understand the basis of life, it is of utmost importance to know how cells live, why they die, their life cycle, their behaviour, as well as their differentiation and formation into tissues and organs. By observing disturbances in these cellular functions, we are also able to obtain information that can be of great value for understanding different kinds of diseases.

The studies in Cell Biology are divided into three levels: basic level studies (1st year), intermediate level studies (2nd and 3rd year) and advanced level studies (4th and 5th year). The first and second level form the Bachelor's degree and the advanced level aim at a Master's degree. The Cell Biology curriculum is also closely linked to the recently established Master's Degree Programme in Biomedical Imaging, which started in Åbo in September 2010 (please see also this publication for more details). The programme is jointly administered by the Department of Biosciences at Åbo Akademi University and the Faculty of Medicine at the University of Turku. The two-year full-time programme contains courses given by both universities in the areas of biomedical imaging and leads to a Master of Science (M.Sc.) degree, 120 cr, in Biomedical Imaging. The programme is intended for students with a B.Sc. degree in the Life Sciences or applicable areas of biomedical sciences, physics, chemistry or engineering, and it provides students with cutting-edge knowledge and good practical skills in imaging methods ranging from molecular and cellular to tissue and clinical imaging. Formal participation in the M.Sc. programme requires approval to the programme through an official application process. However, many courses are open to all students. More information about the programme: <http://www.bioimaging.fi/program/>  
<http://www.abo.fi/student/en/Content/Document/document/19112>

### Requirements and prerequisites

The basic level courses are suitable for all students who have a background or interest in biosciences. Participation in courses at the basic level does not require previous knowledge. Participation in the intermediate level and advanced level courses require basic understanding of cell and molecular biology as well as biochemistry. In addition, some courses may have more specific requirements for participation. *The number of participants may be limited for some courses due to practical reasons.* This concerns in particular the laboratory courses.

### Introduction to cell biology

**221006.0/ÅA\_1901**

**3 credits**

**Basic level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: John Eriksson

Learning objectives: The course will introduce the ultra structure of the cell, cellular organelles, the relationship between structure and function, the basics of cellular metabolism and

the basics of cell signaling. The course will also describe the principles of cell division and differentiation.

Teaching methods: Lectures, exercises.

Forms of examination: Examination and evaluation of course work

### **Laboratory basic course**

**221008.0/ÅÅ\_1902**

**2 credits**

**Basic level**

**Lecture and laboratory course**

**Offered: Autumn 2013**

Lecturer: Diana Toivola

Learning objectives: The course will teach students basic laboratory techniques, including pipetting, weighing, pH measurements and good laboratory practice. Students will also learn basic laboratory safety issues.

Teaching methods: Lectures, exercises, laboratory work.

Forms of examination: For passing the course the attendant needs to participate in exercises, home assignments, quizzes and laboratory work as well as report on the laboratory work.

### **Microscopy and microscopy techniques**

**221007.0/ÅÅ\_2902**

**3 credits**

**Intermediate level**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Diana Toivola

Learning objectives: Theoretical and practical knowledge in light microscopy. This includes knowledge in the development of modern microscopy, the parts of a microscope, optics and illumination pathways, staining techniques and Köhler illumination.

Teaching methods: Lectures, web-based exercises, microscopy, report with figures.

Forms of examination: Examination

Prerequisites: Basic knowledge in biology and in laboratory basics

### **Practical microscopy and microscopy techniques**

**222048.0**

**2 credits**

**Intermediate level**

**Laboratory course**

**Offered: Spring 2014**

Lecturer: Diana Toivola

Learning objectives: Theoretical and practical knowledge in sample preparation for light microscopy. This includes dissection, fixation, sectioning, and staining techniques.

Teaching methods: Demonstrations, laboratory work, and poster presentation.

Prerequisites: Basic knowledge in biology and in laboratory basics

Note: This course can only be taken together with the Microscopy and microtechniques course.

### **Advanced Microscopy**

**223074.05 credits**

**Advanced level**

**Lecture and laboratory course**

**Offered: Autumn 2013**

Lecturer: Diana Toivola

Learning objectives: Theoretical and practical knowledge in fluorescence techniques, confocal microscopy as well as other advanced microscopy techniques.

Teaching methods: Lectures, demonstrations, practical laboratory work, essay and examination.

Forms of examination: Examination and essay

Prerequisites: Basic theoretical and practical knowledge in microscopy

### **Cell signaling**

**283007.0**

**8 credits**

**Advanced level**

**Lectured course**

**Offered: Autumn 2013**

Contact: John Eriksson

Learning objectives: The course focuses on intracellular signal pathways. Discussed are also techniques as well as studies targeting signal pathways in drug design.

Teaching methods: The course is composed of lectures (~20 h), subject-related seminars representing current research projects in the Turku/Åbo science community, self-studies and web material.

Forms of examination: Examination and evaluation of course work

Prerequisites: Good knowledge in cell biology

### **The structure and functions of the cytoskeleton**

**22368.0/ÅÅ\_3905**

**8 credits**

**Lectured course**

**Advanced level**

**Offered: Spring 2014**

Lecturer: John Eriksson

Learning objectives: The course will provide the student with detailed characteristics of the different cytoskeletal systems, their structure and dynamics, and their role in cellular functions, in signal transduction, and normal homeostasis, development, and pathologies.

Teaching methods: The course will be arranged as a collaboration between Åbo Akademi Univ., Univ. of Helsinki, and Univ. of Turku. The course is comprised of lectures, seminars, and problem-based learning.

Forms of examination: Examination and evaluation of course work

Prerequisites: Good knowledge in cell biology

### **Histology**

**222041**

**4 credits**

**Intermediate level**

**Lectured and laboratory course**

**Offered: Fall 2013 (Period 3 and 4)**

Lecturer: Diana Toivola

Learning objectives: Students will learn to identify the basic types of tissues and understand their features and differences. Students will further learn to identify different organs, and how the basic tissue types compose tissues of individual organs linked to their function.

Teaching methods: Lectures, microscopy, web-based exercises. Book: Ross and Pawlina: Histology, A text and Atlas Sixth Edition.

Forms of examination: Examination

## Environmental Biology

Environmental biology covers the areas of ecology and evolutionary biology with applied aspects. Our main focus is on marine model systems with topic ranging from behavioural and evolutionary ecology to community and ecosystem ecology. A number of projects also focus on more applied topics, for example in governance and at the interface between ecology and geology.

English teaching is provided mainly at the master level but these courses can also be included in bachelor level studies. Most courses can be attended with basic knowledge of biological concepts. Students can participate in our research projects through independent research projects and laboratory work. Supervision is provided at all levels in English. Please consider that the empirical part of our research is by necessity often done during the summer months and often at field stations. There are fewer projects where empirical work is done throughout the year.

### Animal Personalities: Behaviour, Physiology and Evolution

**5 credits**

**Level**

**Lectured course**

**Offered: Spring 2014**

Teacher: Markus Öst

**Aim:** The course will provide an understanding of why different personality types coexist, why behaviour is not more flexible and why the same personality traits correlate in different taxa. Central goals include understanding the interplay between behaviour and underlying physiology in shaping personality traits, and highlighting the applied aspects of personality research.

**Contents:** The rise of personality research in ecology and evolution; defining personalities; genetics, ecology and evolution of personalities; ontogenetic and neuroendocrine control of personalities; applied personality research.

**Form of study:** Lectures and student presentations examining a chapter in the recent textbook by Carere & Maestripieri (2013) or a paper of their own choice; students also lead class discussion on their presentation. A book exam (Carere & Maestripieri 2013) will take place at the end of the course. Grading is based on student presentations and the book exam.

**Course literature:** Carere, C. & Maestripieri, D. 2013: *Animal Personalities: Behavior, Physiology, and Evolution*. Univ. of Chicago Press (released 8.3.2013). 512 pp.

### Conservation biology

**2-5 credits**

**Intermediate/advanced level**

**Lectured course**

**Offered: Autumn 2012**

Lecturer(s): Markus Öst, Patrik Kraufvelin, Anssi Vähätalo, Marianne Fred, and other researchers from the ARONIA Coastal Zone Research Team

Contact: Markus Öst, markus.ost@novia.fi

**Aim:** This course will present the general concepts of conservation biology, loosely following the general outline provided by a recent textbook in this field. A central goal is to highlight how conservation biology ties in with various other related disciplines.

**Contents:** Case study examples are hand-picked to show the range of species, habitats, and geographic areas with conservation concerns. The links between conservation biology and

environmental law, environmental economics, philosophy, behavioural ecology, social sciences and anthropology, park management, and government policy will be highlighted. Teachers draw upon their own research experience to personalize these issues.

**Form of study:** Lectures, discussions, small practical assignments, essay writing involving independent background research.

**Learning outcomes:** Students are expected to understand the controversies in the field of conservation biology, and actively participate in discussions. A key take-home message from the course should be that successful conservation efforts require the combination of knowledge from various fields, and often involve compromise solutions.

**Prerequisites:** Basic biology courses.

**Target audience:** Master's students in biology, environmental sciences and related fields. B.Sc. or an equivalent degree is desirable but not compulsory for consideration.

**Form of assessment:** Participation in lectures and practicals = 2 credits; written essay (ca. 10 pages) = 3 credits, i.e. maximum 5 credits. Grading is based on course activity and the quality of the written essay.

**Course literature:** Richard B. Primack 2008. *A Primer of Conservation Biology*, 4th Edition, Sinauer Associates.

### Global Water Resources and Sustainable Development

**200007.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: October-December 2013, to be confirmed**

Lecturer(s): Gunnar Jacks

Contact: Sinikka Suomalainen

**Aim(s) and contents:** To get information about the present and future situation regarding freshwater on a global scale. To discuss options for water use to meet the millennium goals. Global water resources and their use, Water pollution, Water conflicts on different levels - interstate – societal, Water and millennium goals – challenges ahead. There will be an emphasis on Asia and Africa where the water situation will be most strained.

**Target audience:** students from all faculties interested in sustainable development and environmental issues.

**Format:** Lectures, presentations 21 h

**Form of assessment:** Lectures and public presentations by the students over a given subject or a subject chosen by themselves.

### Concepts of Sustainability

**200005.0**

**5 credits**

**Basic/Intermediate level**

**Web-based course**

**Offered: October-December 2013, to be confirmed**

Lecturer(s): Sinikka Suomalainen et al.

Contact: Sinikka Suomalainen

**Aim(s) and contents:** Concepts of sustainable development, processes, indicators, cases. Global, regional and local aspects.

**Target audience:** students from all faculties interested in sustainable development and environmental issues.

**Form of assessment:** web-based course, no contact hours.

**Sustainable Water Management: Water use and management****200008.0****5 credits****Intermediate/Advanced level****Lectured course****Offered: Autumn 2013, to be confirmed**

Contact: Sinikka Suomalainen, sinikka.suomalainen@abo.fi

Aim(s) and contents: To give a professional knowledge on the state of the water resources in the Baltic region, their present use and management, and the challenge of creating sustainable water-use in the Baltic Sea drainage area. This part focuses on how water is used. The sectors agriculture, municipal water supply, and industry are treated from both quantitative and qualitative aspects. Practical management options are also presented with several case studies.

Prerequisites: Requirements for successful participation are a basic knowledge of chemistry as well as environmental sciences.

Target audience: The course is of special interest for students with a background in e.g. geology, soil science, environmental engineering and chemistry, hydrology, ecology but other study areas may also be relevant.

Format: (24 h) Studies in a group led by a tutor teacher, lectures, case reports, probably videoconferences

Form of assessment: Paper/Presentation/Examination

Course literature: Sustainable Water Management in the Baltic Sea Basin.

2000. Book 2 Water Use And Management. Ed. L-C Lundin. The Baltic University Programme. 240 p. The book is available free on the internet <http://www.balticuniv.uu.se/swm/books/textbooks.htm> (and also at Åbo Akademi University Library)

This course is an advanced course in the Baltic University Programme.

Registrations: to the Open University at

<http://www.abo.fi/fc/anmalningsdb/>, by e-mail: opu@abo.fi

**Comparative Coastal Ecology****223047.0****5 credits****Advanced level****Lectured course****Offered: Spring 2014**

Contents: To introduce students to comparative aspects of coastal ecology over latitudinal gradients and habitat types. Especially, communities in shallow soft-bottom habitats will be treated. Lectures will deal with coastal ecosystems in tropical, sub-tropical and temperate areas, coastal system dynamics and experimental aspects (both field and laboratory experiments) of coastal ecology.

Learning objectives: To introduce students to comparative aspects of coastal ecology over latitudinal gradients and habitat types. Especially, communities in shallow soft-bottom habitats will be treated. Lectures will deal with coastal ecosystems in tropical, sub-tropical and temperate areas, coastal system dynamics and experimental aspects (both field and laboratory experiments) of coastal ecology.

Format: Lectures, group discussions, essay

Form of examination: Course activity, essay

Course literature: course articles

Other information: Auditing of 80 % of lectures is required for completing the course.

Further information: johanna.mattila@abo.fi

**A Sustainable Baltic Region****200004.0****5 credits****Basic/Intermediate level****Lectured course****Offered: Spring 2014, to be confirmed**

Lecturer(s): NN

Contact: Sinikka Suomalainen

Aim(s) and contents: How to develop a sustainable Baltic region. Energy, material flows, sustainable agriculture, forestry and marine resources, sustainable industrial production and technology, transports, habitation, sustainable economy, ethics and law for sustainability.

Target audience: Students from all faculties interested in sustainable development and environmental issues.

Mode of studies: Lectures, group discussions, probably videoconferences in cooperation with students at universities in the Baltic region and literature studies. The course language is English.

Form of assessment: Active participation, presentations, written examination.

Format: (33 h) Studies in a group, lectures

Course literature: A Sustainable Baltic Region, booklets 1-10. The Baltic University Programme, Uppsala university. Uppsala, 1997 and/or new electronically course material in production by the The Baltic University Programme.

Registrations: to the Open University at

<http://www.abo.fi/fc/anmalningsdb/>, by e-mail: opu@abo.fi.

This course is an undergraduate course in the Baltic University Programme.

# Business and Economics

## *Courses for Bachelor level students:*

### **Accounting**

Cost Accounting, 5 credits (Autumn 2013)  
Financial Accounting – A User Perspective, 5 credits (Autumn 2013)

### **Economics**

Ecological economics, 5 credits (Autumn 2013)  
Economics of development: a global perspective, 5 credits (Spring 2014)

### **Information Studies**

The Social Web, 5 credits (Autumn 2013)  
Infometrics, 5 credits (Spring 2014)

### **International marketing**

Introduction to Marketing, 10 credits (Autumn 2013)  
International Business: a European perspective, 5 credits (Autumn 2013)  
B2B-marketing in an international context, 5 credits (Autumn 2013)  
Sustainable Business, 5 credits (Spring 2014)

### **Organisation and management**

Knowledge Management, 5 credits (Autumn 2013)  
Creative business and the creative economy, 5 credits (Autumn 2013)

## *Courses for Master level students:*

### **Accounting**

Value Based Management Accounting, 5 credits (Autumn 2013)

### **Economics**

Game Theory, 5 credits (Autumn 2012/Spring 2013)

### **Information studies**

Participatory information services, 5 credits (Autumn 2013)  
Management of information in digital environments, 5 credits (Autumn 2013)  
Information Management, 5 credits (Spring 2014)

### **International marketing**

International Marketing in Business Networks, 5 credits (Autumn 2013)  
Intercultural Marketing Management, 5 credits (Autumn 2013)  
Intercultural Marketing Management: seminars, 5 credits (Spring 2014)  
Supply Chain Management, 5 credits (Spring 2014)

# Accounting

In order to participate in courses in Accounting, the student is expected to be an accounting major and have passed basic level courses in accounting for the Bachelor level (2-3 years) both in financial and management accounting before entering the master level.

Bachelor level:

### **Cost Accounting**

**310081.0**

**5 credits**

**Intermediate level (Bachelor/undergraduate, year 2-3)**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Natalia Semenova

Prerequisites: The student is expected to be an accounting major and have passed basic courses both in financial and management accounting.

Aim: Provide a rigorous understanding of cost accounting for internal reporting and control and deepen students' ability to apply accounting methods in a practical context.

Contents: Main topics focus on contemporary principles and techniques involved in determining costs and understanding cost behaviour over varying conditions.

Forms of assignments: Lectures and web-based assignments in accordance with the requirements for the Certified Management Accountant (CMA) exam. All assignments need to be completed on the appropriate due date. No final examination. Literature: Drury C., Management and Cost Accounting, 7th edition.

Articles related to the topic chosen by the instructor.

### **Financial Accounting – A User Perspective**

**310083.0**

**5 credits**

**Intermediate level (Bachelor/undergraduate, year 2-3)**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Prof. Gary M. Cunningham

Prerequisites: A basic course in Financial Accounting

Aim: Focus on the use of financial information for non-specialists from an international accounting perspective.

Contents: Fundamental principles of accounting, primary financial statements and valuation, corporate governance and financial reporting for capital markets.

Forms of assignments: Lectures, assignments, written cases and final examination.

Learning outcomes:

After completing the course, the student will be able to  
-provide a basic understanding of financial statement information rather than bookkeeping mechanisms

-illustrate and explain accounting concepts, such as earnings, operating cash flows and EBIT

-provide tools for company valuation

-understand the framework for IFRS

Literature: Kothari, J and Barone, E. Financial Accounting: An International Approach, FT Prentice Hall

Assignments chosen by the instructor.

*Master's level:***Value Based Management Accounting****310130.0****5 credits****Intermediate level/Advanced level (Bachelor/undergraduate or Master/graduate, year 3-4)****Lectured course****Offered: Autumn 2013**

Lecturer: Dr Natalia Semenova

Prerequisites: The student is expected to be an accounting major and have passed intermediate level courses (2-3 years) both in financial and management accounting.

Aim: Prepare for professional careers in accounting by exploring contemporary issues in the practice of management accounting and control.

Contents: The primary emphasis will be on the value creating function of management accounting and case-based discussions.

Forms of assignments: Lectures, written cases and final examination.

Literature: Kaplan R. S. and Norton D. P. Strategy maps converting intangible assets into tangible outcomes. Harvard Business School Press, last ed.

Kaplan R. S. Cost &amp; effect: using integrated cost systems to drive profitability and performance. Harvard Business School Press. last ed.

Articles related to the topic chosen by the instructor

## Economics

Studies in economics are divided into three levels: basic, intermediate and advanced. In order to participate in courses at the intermediate level (for Bachelor's level studies), students should have passed introductory courses in economics. As for the advanced level courses (for Master's level studies), participants are expected to have studied economics to the intermediate level prior to attendance. When interpreting whether applicants meet these requirements, due consideration is given to each student's ability to successfully attend the indicated course. Please note, reading lists are not necessarily exhaustive.

*Bachelor's level:***Ecological economics****350214.0****5 credits****Intermediate level****Web-based/Self-study course****Offered: Autumn 2013**

Prerequisites: Basic level in economics

Assessment: Examination, assignments

Target year: 2-3

Lecturer: Ralf Eriksson

Contents: The course will focus numerous issues regarding to ecological economics, such as the general policy perspective required by sustainability, economic growth in a historical perspective, sustainability conceptions and measurement within ecological economics, economics and ethics of climate change, global food security, the state of the seas on earth and locally (the Baltic Sea), the possibility of degrowth.

Aim: To introduce ecological economics while combining insights from ethics, economics, ecology and economic policy.

Course literature:

Eriksson, Ralf &amp; Andersson, J.O. (2010) Elements of Ecological Economics. London: Routledge.

Edwards-Jones, Gareth et al. (2000) Ecological Economics: An Introduction. Oxford: Blackwell.

Common, Michael &amp; Stagl, Sigrid (2005) Ecological Economics: An Introduction. Cambridge: Cambridge University Press.

**Economics of development: a global perspective****350044.0****5 credits****Basic/Intermediate level****Lectured course****Offered: Spring 2014**

Prerequisites: Introductory course in economics

Assessment: Essays

Target year: 2-3

Lecturer: TBA

Contents: The course will take a global perspective of economics and development. It will contain a general overlook of economic growth and development, poverty and inequality in a global context.

Aim: The goal of this course is to understand economic development by using economic theories and their applications.

Course literature:

Sen, Amartya (1999) Development as Freedom. New York: Knopf.

Collier, Paul (2007) The Bottom Billion. New York: Oxford University Press.

*Master's level:***Game Theory****350217.0****5 credits****Advanced level****Self-study course****Offered: Autumn 2013, Spring 2014**

Prerequisites: Intermediate level studies in mathematical economics

Assessment: Written exam

Target year: 4-5

Examiner: Margrét Halldórsdóttir

Contents: Formulation of basic concepts. The maximin and minimax strategies, solutions of zero-sum games, pure and mixed strategies, dominance, Nash equilibria, etc.

Aim: To give an introduction to the theoretical framework of mathematical concepts in Game Theory.

Course literature:

Stahl, Saul (1999) A Gentle Introduction to Game Theory. Providence: American Mathematical Society.

Osborne, Martin J. (2009) An Introduction to Game Theory. Oxford: Oxford University Press.

## Information Studies

Information Studies offers students the opportunity to engage with key issues in contemporary library and information science (LIS). The courses provided encompass and explore areas such as information and knowledge management, knowledge organisation, webometrics, information seeking, behaviour and literacy. Students will gain insights into the how these areas have become increasingly important in both the public and the private sector.

Studies can be undertaken at Bachelor's and Master's level.

## BUSINESS AND ECONOMICS

Courses are further divided into three levels which declare the appropriate year of study: basic (1 year students), intermediate (2–3 year students) and advanced (4–5 year students). When interpreting whether applicants meet these requirements, due consideration is given to each student's ability to successfully attend the indicated course. Please note, reading lists are not exhaustive.

### *Bachelor's level:*

#### **The Social Web**

**361120.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013**

Prerequisites: None

Assessment: Written exam, assignments, participation

Target year: 2

Lecturer: Dr Kim Holmberg

Aim: To give students knowledge about certain characteristics of the social web; to give insights into the role of the information specialist when developing interactive media; to present tools for production of interactive media and give basic knowledge of their use.

Contents: Library 2.0/Web 2.0; content management systems (CMS) and publication tools; blogs, wikis, RSS-feeds, social online networks; cyber threats; copyright online; virtual 3D worlds.

Course literature:

Safko, Lon & Brake, David K. (2009) *The Social Media Bible*. Hoboken: John Wiley & Sons.

#### **Informetrics**

**361118.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Spring 2014**

Prerequisites: Basic studies in information studies

Assessment: Written exam, assignments

Target year: 2–3

Lecturer: Dr Kim Holmberg

Aim: To give theoretical and practical insights into methods and research tools used in informetrics.

Contents: Quantitative analysis and evaluation of data/information and knowledge; visualisation of data/information; webometrics; bibliometrics.

Course literature: Thelwall, Mike (2004) *Link Analysis: An Information Science Approach*. Amsterdam: Elsevier.

### *Master's level:*

#### **Participatory information services**

**361xxx.0**

**5 credits**

**Advanced level**

**Lectured course, Self-study course**

**Offered: Autumn 2013**

Prerequisites: Basic and intermediate studies in information studies or closely related fields

Assessment: Papers

Target year 4–5

Lecturer: Dr Isto Huvila

Aim: To give knowledge about the planning and management

of participatory information services; to give students insights into the theoretical aspects of the participatory paradigm of information services.

Contents: Participatory information management; participatory information services; Library 2.0/Web 2.0; Participatory librarianship; Online information communities

Course literature: Bryson, Jo (2006) *Managing Information Services: A Transformational Approach*. Aldershot: Ashgate.

Casey, Michael E & Savastinuk, Laura C. (2007) *Library 2.0: A Guide to Participatory Library Service*. Medford, N-J.: Information Today

Huvila, Isto (2002) *Information Services and Digital Literacy: In Search of the Boundaries of Knowing*. Oxford: Chandos.

Shachaf, P. (2010) *Social Reference: Toward a Unifying Theory*. *Library & Information Science Research*, 32 (1), 66-76.

#### **Management of information in digital environments**

**361206.0**

**5 credits**

**Advanced level**

**Self-study course**

**Offered: Autumn 2013**

Prerequisites: Basic and intermediate studies in information studies/LIS

Assessment: Papers

Target year: 4–5

Examiner: Dr Isto Huvila

Aim: To give insights into the impact of the introduction of digital technologies and digitisation of information in organisations; to give knowledge of contemporary cultures of information and impact of cultural and societal discourses and practices on organisations and individuals; to give students knowledge about how information behaviour and interaction in information processes can affect information architecture and the design and usability of systems; to give insights into the use of digital information and technologies in different organizations.

Contents: Digitisation of information; digital technologies in organisations, theories of information society and culture; management of information processing in digital information environments; enterprise level information architecture; information interaction; information behaviour and digital information systems.

Course literature:

Grudin, J. (2011) *Human-computer Interaction*. *ARIST*, 45 (1), 367-430.

Hassan, Robert (2008) *The Information Society*. Cambridge: Polity.

Martin, A.; Dmitriev, D. & Akeroyd, J. (2010) *A Resurgence of Interest in Information Architecture*. *International Journal of Information Management*, 30 (1), 6 - 12.

Norman, Donald A. (1990) *The Design of Everyday Things*. New York: Doubleday.

Rogers, Yvonne (2004) *New Theoretical Approaches for Human-computer Interaction*. *ARIST*, 38 (1), 87-143.

Tredinnick, Luke (2008) *Digital Information Culture: The Individual and Society in the Digital Age*. Oxford: Chandos.

#### **Information Management**

**361213.0**

**5 credits**

**Advanced level**

**Lectured course, Self-study course**

**Offered: Spring 2014**

Prerequisites: Basic and intermediate studies in information studies or business administration

Assessment: Paper, assignments, project (group work)

Target year: 4–5

Lecturer: Prof. Gunilla Widén

Aim: To give theoretical and practical insights into the role of information and Information Management (IM) in organisations.

Contents: The typology of information in organisations, the information behaviour of organisations, theories of Knowledge Management, the social dimension of knowledge creation, theories about learning organizations and presentation of current research within the IM-field.

Course literature:

Case, Donald O. (2007) *Looking for Information: A Survey of Research on Information Seeking, Needs and Behavior*. Amsterdam: Elsevier.

Choo, C. W. et al. (2008) Information culture and information use: an exploratory study of three organizations. *Journal of the American Society for Information Science and Technology*, 59 (5), 792-804.

Dalkir, Kimiz (2009) Knowledge Management. In: Eds. Bates & Maack, *Encyclopedia of Library and Information Sciences*. London: Routledge (pp. 3129-3138)

Detlor, Brian (2009) Information Management. In: Eds. Bates & Maack, *Encyclopedia of Library and Information Sciences*. London: Routledge (pp. 2445-2451)

Tredinnick, Luke (2008) *Digital Information Culture: The Individual and Society in the Digital Age*. Oxford: Chandos.

Widén-Wulff, Gunilla (2007) *Challenges of Knowledge Sharing in Practice: A Social Approach*. Oxford: Chandos.

## International Marketing

International marketing studies the relationship between the firm and its international markets. Global marketing, where market borders are no longer regional or national, but global is especially pointed out. The subject focuses on strategic market management, Business-to-Business marketing and business activities in Europe, the Americas and in Asia as well as in other emerging markets. International marketing equips the student to understand and manage business firms where products, services and markets are both physical as well as information based. <https://www.abo.fi/student/en/imfкурser>

### Introduction to Marketing

**305191.0**

**10 credits**

**Basic level, please see entry requirements**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Johanna Lindström

Target audience: Bachelor/undergraduate, year 1 or 2

Entry requirements: Preference is given to student's participating in "Werbung Interkulturell"

Aim: This course is an introduction to the theory and application of marketing. Marketing topics covered include customer needs, strategy and product development. The course combines cases, discussions and readings to provide a mix of integrating concepts.

Learning outcomes:

In this course we seek to:

1. introduce you to key marketing ideas and phenomena
2. develop your skills in analysing and planning marketing activities and strategies
3. familiarize you with the core concepts in marketing: product, price, place and promotion and enhance your problem solving and decision making abilities in these areas

4. provide you with a forum, both written and oral, for presenting and defending your own recommendations and critically examining and discussing those of others

Literature:

• Kotler Philip et al. *Principles of Marketing*. 3rd, 4th or 5th European Edition

• Cateora et al. *International marketing*. European Edition 2000 chap: 1, 5-9, 11-18 or Ghauri-Cateora *International Marketing* second edition chap.1-2, 4-5, 7, 10-19

• Articles and cases related to the topic, chosen by the instructor

### International Business: a European perspective

**305xxx.0**

**5 credits**

**Intermediate level (undergraduate, year 2 or 3)**

**Offered: Autumn 2013**

Lecturer: DSc Monica Nyholm and PhD Stefan Lång

Entry requirements: Basic course in international marketing, international business, economic geography or similar.

Target audience: year 2 or 3

Aim: During the course Europe is studied from the perspective of its being the most important market for Finnish companies. The European business environment is studied with particular focus on factors affecting marketing and investment. Analysis of similarities and dissimilarities between countries and regions are included as well as internationalisation strategies used by the companies on European markets.

After the course, the participant should be able to:

- explain the meaning of the concept international business environment.
- describe the general internationalization theories.
- understand the impact of the international business environment on the company on a basic level.
- explain the main differences in the business environment between different parts of Europe.

Work methods:

The course is mainly web-based with three study meetings á 3 hours. The study meetings all include lectures as well as workshop-discussions. Examination is done based on the exercises performed on the web (individual as well as group reports, discussions and quizzes) as well as activity during the workshops.

Literature:

Morrisson, Janet (2006): *The International Business Environment, Global and Local Market Places in a Changing World*, 2. Ed. Palgrave Macmillan, New York.

Suder, Gabriele (2011): *Doing business in Europe*, 2. Ed., Sage Publications, London.

Articles chosen by the instructor

### B2B-marketing in an international context

**305xxx.0**

**5 credits**

**Intermediate level (undergraduate, year 2 or 3)**

**Offered: Autumn 2013**

Lecturer: DSc Monica Nyholm and PhD Stefan Lång

Entry requirements: Basic course in international marketing, international business, economic geography or similar.

Target audience: year 2 or 3

Study meetings: Weeks 44 - 49 Thursdays at 9.15 - 12, dates: 31.10, 14.11, 5.12

Aim: The course aims at providing an understanding of business-to-business marketing while also discussing the impact of the growing interdependence between different geographical markets in a global context.

After the course, the participant should be able to:

## BUSINESS AND ECONOMICS

- explain the meaning and application of the concept business-to-business marketing
  - understand the main differences between B2B-marketing and B2C-marketing
  - describe the impact of the international business environment on B2B-marketing
  - evaluate and compare the business environment in different geographical markets on a basic level
- Work methods:

The course is mainly web-based with three study meetings á 3 hours. The study meetings all include lectures as well as workshop-discussions. Examination is done based on the exercises performed on the web (individual as well as group reports, discussions and quizzes) as well as activity during the workshops.

Literature:

Dicken Peter (2011): *Global Shift, mapping the changing contours of the world economy*, 6.ed. Thousand Oaks, CA. Articles chosen by the instructor.

### **Sustainable Business**

**305061.0**

**5 credits**

**Intermediate level (undergraduate, year 2 or 3)**

**Lectured course**

**Offered: Spring 2014**

Lecturer: DSc Monica Nyholm

Aim: The aim is to enhance the participants' knowledge of sustainability issues within business activities and business enterprises' views on sustainable development; among other ethics, environmental issues and social responsibility. During the course we discuss the ways in which business activities can accommodate the demands for sustainability set by customers, authorities and other interest groups.

1. Sustainable organization
2. Sustainability in financing and reporting
3. Sustainable marketing and logistics

Learning outcomes:

1. Explain the concept of sustainable business from the business perspective.
2. Analyze the demands for sustainability that are set for the organization by different interest groups.
3. Describe the sustainability efforts from a supply chain perspective.
4. Understand the industry and market specific pre-requisites for sustainable business

Literature:

Belz Frank-Martin and Ken Peattie: *Sustainability Marketing*, Wiley 2009

Articles and case studies recommended by the examiner.

*Master's level:*

### **International Marketing in Business Networks**

**305131.0**

**5 credits**

**Advanced level (Master/graduate, year 3 or 4)**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Professor Jan-Åke Törnroos

Entry requirements: Alternative advanced course for students in international marketing, optional for others with the required preknowledge

Aim(s): This course is aimed at those who want to gain a better understanding of how business markets work, and what marketing problems companies operating in such markets confront. The emphasis is on the impact the distinctive features

of business markets have on companies' market strategies, marketing activities, and international and global business. A value-based approach is used for analysing different elements of business interaction and networking.

Content: Business-to-business (B2B) markets differ from consumer markets in several ways. For example, professional business people are acting on both sides of the business exchange and the actors involved are often embedded in business network structures. Furthermore, large volumes and high monetary value are exchanged between business actors, and for many companies the largest share of business exchange deals with various kinds of services. This implies several challenges for the actors and the marketing on the B2B market. Teaching methods: Lectures, guest lectures, seminars based on written article reviews and oral presentations and discussions, written course-paper, supervision

Form of assessment: Written course-paper and seminars (written reviews, presentations and discussions)

Literature:

1. Bridgewater Sue and Colin Egan: *International Marketing Relationships*

Palgrave, London 2001

2. Anderson J. C. & J. Narus: *Business Market Management. Understanding, Creating and Delivering Value*

Prentice Hall Inc., New Jersey, 1999

3. Articles related to the topic chosen by the instructor

### **Intercultural Marketing Management**

**305121.0**

**5 credits**

**Advanced level (Master/graduate, year 3 or 4)**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: PhD Stefan Lång

Entry requirements: Alternative advanced course for students in international marketing, optional for others with the required preknowledge

Aim(s): The aim of the course is to deepen the knowledge of cultural factors in international marketing from a theoretical and practical point of view. The course includes central themes like understanding culture and intercultural issues in the international and global marketplace, doing business and marketing across cultural borders, the impact of cultural similarities and differences on marketing communications as well as on expatriation and repatriation management, and managing and working in intercultural teams.

Content: Culture affects every company on a daily basis. As a consequence of the globalisation and the ever more connected world we live in, even the smallest and most locally anchored company will sooner or later have to consider and deal with intercultural issues. For companies doing business abroad, these issues become a more prominent part of their operations, and for global companies this is a part of their everyday operations on several different levels. Intercultural marketing management is an interesting area of research that creates several challenges to all of these companies. In this course, the area of intercultural marketing management is divided into a few central thematic concepts that are discussed and analysed from different perspectives.

Teaching methods: Guest lectures, lectures, thematic workshops (based on article reviews and case discussions), individual learning diary and course-portfolio, supervision

Form of assessment: Workshops, individual written assignments and portfolio

Course literature:

1. Adler, Nancy J. & Allison Gundersen (2008): *International dimensions of organizational behavior* (5th edition), Thomson/

South-Western, Mason

2. Usunier, J-C. & Julie Ann Lee (2005): Marketing Across Cultures (4th edition), Prentice Hall, New York

3. Articles and cases related to the topic, chosen by the instructor

### **Intercultural Marketing Management: seminars**

**305122.0**

**5 credits**

**Advanced level (Master/graduate, year 3 or 4)**

**Lectured course**

**Offered: Spring 2014**

Lecturer: PhD Stefan Lång

Entry requirements: Intercultural Marketing Management 305121.0

Target audience: Master/graduate, year 3 or 4

Entry requirements: Preference is given to students participating in "Werbung Interculturell"

Aim: The aim is to complement the theoretical knowledge gained in the first part of the course by analysing and solving practical problems concerned with intercultural marketing management. This is done by a role play situation where one team takes on the role as managers facing a difficult intercultural problem, and another team takes on the role as consultants that are hired to solve the problem. As the teams are all intercultural, this is also a practical exercise in working in and managing intercultural teams. The solution to the intercultural problems is presented in a written course-report as well as in an oral presentation.

Methods: Role play, case analysis, written reports and oral presentation

Form of assessment: Assignments and presentations

Learning outcomes: After the course, students will: 1. implement theoretical knowledge of intercultural issues in practical situations

2. understand how to distinguish and solve potential problems within intercultural marketing management processes

3. be able to work in and manage intercultural teams

4. present analyses and results in writing as well as orally

Literature:

1. Adler, Nancy J. & Allison Gundersen (2008): International dimensions of organizational behavior (5th edition), Thomson/South-Western, Mason

2. Usunier, J-C. & Julie Ann Lee (2005): Marketing Across Cultures (4th edition), Prentice Hall, New York

3. Articles related to the topic, chosen by the instructor and the students

### **Supply Chain Management**

**305132.0**

**5 credits**

**Advanced level (Master/graduate, year 3 or 4)**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Dr Monica Nyholm

Aim(s): The objective of the course is to provide students with an understanding of the integration within the supply chain and management of logistical activities. Logistics outsourcing as well as the formation of alliances in business logistics are also included.

Contents: Assignments, case studies and written examination.

Entry requirements: Intermediate studies in international marketing/marketing

Target audience: year 3 or 4

Form of assessment: Written examination and assignments (Cases, paper and presentation).

Contact hours: 30 hours: 24 hours lectures and 6 hours com-

pulsory case discussions

Course literature:

Christopher, Martin and Helen Peck: Marketing logistics, Oxford: Butterworth-Heinemann, 2003

Gourdin, Kent N: Global logistics management: a competitive advantage for the new millennium, Blackwell 2001

Dam Jespersen, Birgit & Skjott-Larsen Tage: Supply Chain Management, Copenhagen Business School Press 2005

Articles and material related to the topic chosen by the instructor

## **Organisation and Management**

*Bachelor's level:*

### **Knowledge Management**

**301031.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer(s): Dr. Barbro E Schauman

Aim(s): The course presents advanced theories in knowledge management, with a specific focus on knowledge-intensive companies. Consequently, the course presents contemporary developments in knowledge management. The course aims at giving the participants an understanding of the complex nature of knowledge-intensive work.

Contents: The course presents the current state-of-the-art in knowledge management. Specific emphasis is placed on the interrelationship between the two, and the demands placed in strategy in a knowledge-intensive economy. Specific themes include:

- emergent strategy
- knowledge management and business logics
- innovative strategies
- the creative economy
- utilizing knowledge
- social theory in knowledge management

Learning outcomes:

After the course, the participant should be able to:

- demonstrate knowledge of the central theories in knowledge management
- critically discuss and analyze processes in knowledge-intensive companies
- independently conduct a study of knowledge workers
- draft a strategy for managing knowledge-intensive work
- write a research paper on a specific theoretical subject in knowledge management

Target audience: The course is open to students with organization and management or international marketing as their main subject, as well as to other students with the required prerequisites.

Group size: 20 students max.

### **Creative business and the creative economy**

**301080.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Astrid Huopainen

**Aims:** The course gives an insight into both the theorization and the practice of creativity and creative work in contemporary economy. The course introduces the participants to key themes in creative work, the creative industries, notions of creative cities/regions and the creative economy in general. Through both theoretical and empirical engagements, the course emphasizes the importance of understanding how creativity and innovation create value and the way in which this can be managed in organizations. Further, the course presents the state-of-the-art theories of this transformation, aiming to give the participants a multifaceted understanding of the problems and possibilities of the creative economy. The course presents the key current discussions regarding understanding the role of creativity in business and the economy. Specific emphasis is placed on how creativity has become a key strategic resource and a central arena for discussing business policy. Further, the importance of understanding the dynamics of the creative industries and their relationship to the development of economic frameworks is highlighted. Specific themes include:

- creativity and innovation as economic drivers
- defining creativity and delineating the creative industries and the creative economy
- the organization of creative work
- key areas of the creative economy
- creative strategy
- the challenges of "the creative turn"

**Learning outcomes:** After the course, the participant should be able to:

- critically discuss, analyze and demonstrate knowledge how creativity and innovation create value and the way in which this can be managed
- demonstrate an understanding of the complex nature of creative work and the creative economy

**Forms of assignments:** Lectures, written reports and exercises

**Literature:** Articles and other material according to instructions.

# Chemical Engineering

## *Analytical Chemistry*

Analytical Chemistry is defined by the Division of Analytical Chemistry (DAC) of the Federation of European Chemical Societies (FECS) as follows:

*Analytical chemistry is a scientific discipline that develops and applies methods, instruments and strategies to obtain information on the composition and nature of matter in space and time.*

Knowledge and experience in analytical chemistry is needed to cope with global challenges related to e.g. alternative energy systems, public health, food production and supply of clean water. A large number of chemical analyses provide information that has a great impact on our society, and analytical chemists develop tools for these analyses. New analytical methods, instruments and strategies are continuously developed and applied in important areas like clinical-, environmental- and process analysis. In addition to sophisticated analytical instrumentation, there is a need for inexpensive analytical tools such as chemical sensors, that are easy to use on a large scale in various fields of applications.

The Laboratory of Analytical Chemistry provides education that covers the basic principles of classical analytical methods (including complexometry) and instrumental methods of analysis (including spectroscopy, chromatography and electroanalytical chemistry). Our courses are offered in the form of lectures, supervised self studies and exercises.

Advanced courses for both undergraduate and post-graduate students are offered in selected areas that are close to our own research activities. Our present research activities include the development of chemical sensors, with special emphasis on electrochemical sensors, such as ion-selective electrodes. This is supported by our electrochemical and spectroelectrochemical characterization of electroactive materials including conducting polymers, fullerenes, carbon nanotubes and graphene. Electroactive materials are important not only for sensors, but also for the development of new charge storage devices, solar cells and electrochemically controlled separation membranes. Our present research is focused also on ion-exchange reactions and complexation of metal ions to wood fibers. Application of analytical methods in process analysis, environmental monitoring and health diagnostics are close to our hearts.

The research at the Laboratory of Analytical Chemistry is part of the activities of Åbo Akademi University Process Chemistry Centre (PCC).

### **Basics in Analytical Chemistry**

**410110.0**

**5 credits**

**Intermediate level**

**Lectures and laboratory exercises**

**Offered: Autumn 2013**

Lecturer: Maija Blomquist

Target audience: Year 3

Aim and contents: The course gives an introduction to gen-

eral analytical chemistry and skills to take part in the course "410302 Chemical and instrumental methods of analysis". General principles of chemical analysis, analytical applications of solubility equilibria, acid-base, redox and complexometric equilibria and calculations, acid-base titrations (titration errors, choice of indicators, logarithmic diagrams for different acid-base pairs, proton balance) will be discussed in the course. Material will be provided concerning some general instrumental methods of analysis (potentiometry, spectrophotometry, atomic spectroscopy (AAS = atomic absorption spectroscopy and ICP-OES = inductively coupled plasma optical emission spectroscopy). The instrumental methods part of the course will be self-studies.

Learning objectives: After taking part in the course Basics in analytical chemistry the student should:

- comprehend the theory that has been gone through during the course and apply that in practical laboratory works as well as in calculations.

- be able to produce experimental results in form of graphs and to summarize that in a written report.

Prerequisites: General Chemistry

Format: Lectures 12 h, supervised self-studies and laboratory exercises

Form of assessment: Written examination

Course literature: Steven and Susan Zumdahl, Chemistry, 6th ed., Houghton Mifflin, ISBN: 0-618-61032-4; Harris, D.C., Quantitative Chemical Analysis, 8th ed., Freeman, ISBN: 0-7167-7041-5; "Konstantsamlingen" (book of stability constants); Anders Ringbom, Complexation in Analytical Chemistry (booklet)

### **Chemical and Instrumental Methods of Analysis**

**410302.0**

**7 credits**

**Intermediate level**

**Lectures and exercises**

**Offered: January-February 2014**

Lecturer: Rose-Marie Latonen

Target audience: Year 3

Aim and contents: The course is a continuation of the "410110 Basics in Analytical Chemistry" course within the subject of analytical chemistry. The course gives an introduction to the theoretical background for the most common liquid based and instrumental methods of analysis and their analytical applications. The basic principles of extraction and ion exchange analysis and their analytical applications are presented. The course gives also the basic knowledge for use of different common instrumental methods of analysis. Within spectrophotometry UV-visible, FTIR and Raman spectroscopy techniques are presented. Different electrochemical methods such as potentiometry, voltammetry and amperometry are included. Different kinds of chromatographic methods: high performance liquid chromatography, ion chromatography and capillary electrophoresis are taken up and the theory of flow injection analysis is gone through. Calculation exercises and some laboratory exercises are included in the course.

Learning objectives: After a passed course the student is expected to be able to:

- apply the theory of extraction and ion exchange analysis in order to be able to calculate the efficiency of a separation.

- describe the basic principles of and instrumentation in the spectrophotometric analysis techniques, UV-visible, FTIR and Raman spectroscopy.

- explain the basic principles of the electrochemical analysis techniques, potentiometry, voltammetry and amperometry.

- discuss the differences between the chromatographic techniques, HPLC, ion chromatography and capillary elec-

trophoresis.

- present the principle of flow- and sequential injection analysis.

- individually explain the theory, methods, results and evaluation in a written report for each practical exercise performed in the laboratory.

Prerequisites: 410110 Basics in analytical chemistry (5 cr)

Format: Lectures 14 h, supervised self-studies with practicals 4h, seminar work with presentation and laboratory exercises.

Form of assessment: Examination

Course literature: Daniel C. Harris, Quantitative Chemical Analysis, 8th edition

### **Applied electrochemistry**

**410304.0**

**5 credits**

**Advanced level**

**Lectures and self-study**

**Offered: Autumn 2013**

Lecturer(s): Johan Bobacka (and invited lecturers)

Target audience: Year 4

Aim and contents: The aim of the course is to give students basic knowledge in electrochemistry and an introduction to current applications of electrochemistry. The course contains electrochemical methods of analysis, electroactive materials, electrosynthesis, power sources and solar cells.

Learning objectives: Students can describe electrochemical reactions at metal and semiconductor electrodes. Students can describe the electrical double layer. Students can explain the basic principles of conductometry, potentiometry, voltammetry, electrochemical impedance spectroscopy and scanning electrochemical microscopy. Students can describe and give examples of electroactive materials and current applications of electrochemistry in fuel cells, solar cells, supercapacitors, batteries, electrosynthesis and electrochemical sensors.

Format: Lectures (16 h), self-study, laboratory exercises

Form of assessment: Written examination

Course literature: Allen J. Bard and Larry R Faulkner, Electrochemical methods: fundamentals and applications, 2nd edition (and material provided by the lecturers)

### **Chemical sensors**

**410522.0**

**5 credits**

**Advanced level**

**Lectures and laboratory exercises**

**Offered: Spring 2014**

Lecturers: Andrzej Lewenstam, Johan Bobacka, Tomasz Sokalski

Target audience: Year 5

Aim and contents: The aim of the course is to give students deep insight into chemical sensors and their practical applications. The course deals with basic principles of different types of chemical sensors based on electrochemical, optical, mass and thermal transduction. Electrochemical sensors and their applications in clinical and biomedical analysis are emphasized. Modelling of the response of ion-selective membranes is briefly introduced.

Learning objectives: Students can describe the operation principles for chemical sensors based on electrochemical, optical, mass and thermal transduction. Students can explain the operation principle of potentiometric, amperometric and conductometric sensors and give examples of their applications. Students can give examples of chemical sensors based on conducting polymers.

Format: Lectures (24 h) and laboratory exercises

## CHEMICAL ENGINEERING

Form of assessment: Written examination  
Course literature: Material provided by the lecturers.

### **Environmental analytical chemistry**

**410506.0**

**4 credits**

**Advanced level**

**Lectures and self-study**

**Offered: Autumn 2013 (offered every 2nd year)**

Lecturer(s): Johan Bobacka (and invited lecturers)

Target audience: Year 4-5

Aim and contents: The aim of the course is to give an introduction to modern methods of analysis that are used in environmental analytical chemistry for the analysis of water, air, soil and biological material. The course includes a short introduction to environmental chemistry and its connections with green chemistry and industrial ecology. Modern methods of chemical analysis that are used for the analysis of environmental samples and biological material are emphasized. The course deals also with chemical reactions and equilibria that are important for the understanding of natural environmental chemical processes.

Learning objectives: Students can explain the meaning of industrial ecology. Students can describe the most common methods of chemical analysis that are used in environmental analysis. Students can give examples of chemical reactions and equilibria that are important for the environment.

Format: Lectures (14 h), self-study, laboratory exercises

Form of assessment: Written examination, Essay

Course literature: Stanley E. Manahan, Environmental Chemistry, 8th edition (and material provided by the lecturers)

### **Seminars in Analytical Chemistry**

**410517.0**

**5 credits**

**Advanced level**

**Lectures**

**Offered: Spring 2013**

Contact person: Johan Bobacka

Target audience: Year 4-5

Aim and contents: The aim of the course is to familiarize students with the newest trends in analytical chemistry.

Learning objectives: Students identify the major research areas at the Laboratory of analytical chemistry and can relate these to the newest trends in analytical chemistry.

Format: lectures 12 h

Prerequisites: Chemical and Instrumental Methods of Analysis (410302.0, 7 cr)

Form of assessment: Course diary, Essay

Course literature: Material provided by the lecturers.

### **Special Project in Analytical Chemistry**

**410523.0**

**10 credits**

**Advanced level**

**Independent research exercise**

**Offered: the whole academic year, in accordance with the lecturer**

Contact person: Johan Bobacka

Target audience: Year 5

Aim and contents: The aim of the course is to familiarize students with analytical chemistry research. The student participates as a research affiliate in one of the ongoing research projects under supervision of a doctoral student or senior researcher. The student writes a report based on the results obtained.

Learning objectives: The student can perform demanding

laboratory work. The student can describe the theoretical background to the experimental work. The student can summarise the results and compare them with results from scientific publications.

Prerequisites: 410302 Chemical and instrumental methods of analysis (7 cr)

Format: Supervised research work

Form of assessment: Written report

Course literature: Selected scientific publications

## **Fibre and Cellulose Technology**

The research and education area of Fibre and Cellulose Technology can be summarised as Biomass Engineering, where biomass (wood and plants) is the raw material that is to be processed by engineering. In Fibre Technology, the production, characterisation and tailoring of natural fibres for pulp and composites are studied in detail. The education in Cellulose Technology is focused on pure cellulose and its derivatives, which are utilized to manufacture many advanced high-added-value products, chemicals and bioplastics. Both subjects of the laboratory facilitate the use of nanoscale spectroscopic and imaging techniques for nano analysis, which also have a key position in the education.

The courses at intermediate level introduce the students to the technologies behind pulping of biomass to fibres, bleaching and fibre modification. The advanced courses concentrate more on the chemistry and interactions on the microscopic level as well as the pretreatment and fractionation of biomass to fibres, cellulose and chemicals and utilisation of these in products. The aim of the supervised project/laboratory work course is to familiarize the student to practical scientific work and analytical treatment of measuring data. The laboratory work is also suitable for exchange students owning basic knowledge about some of the topics of chemical processes, chemical or physical modifications, or characterisation of biomass or natural fibres.

For further information please visit our web pages at: [www.abo.fi/fct](http://www.abo.fi/fct)

### **Fibre Technology**

**415310.0**

**7 credits**

**Intermediate level**

**Seminars and laboratory practice**

**Offered: November-December 2013 (Period II)**

Lecturers: Jan Gustafsson, Pedro Fardim

Aim and content: The manufacturing, technology, properties and treatment of wood fibres to pulp. The topics are fibre raw materials, fibre properties, wood handling processes, mechanical pulping (PGW, TMP, CTMP), chemical pulping (kraft pulping, saw dust pulping), bleaching of pulp fibres, LC-refining and recycling. Seminars and laboratory practice by the students.

Learning objectives: After the course is finished the student is expected to be able to identify and compare different raw materials and processes for wood handling, mechanical pulping, chemical pulping and post treatment of fibres as well as for recovered fibres.

Entry requirements: Basic knowledge of wood and fibre chemistry

Target audience: Year 1-2

Form of assessment: Examination, presentation and laboratory report

Contact hours: 24

Literature:

- 1) Gullichsen, J., Fogelholm, C.-J., Chemical Pulping, Fapet Oy, Helsinki, 1998
- 2) Sundholm, J., Mechanical Pulping, Fapet Oy, Helsinki, 1998
- 3) Selected research articles

### **Cellulose Technology**

**415501.0**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: March – May 2014 (Period IV)**

Lecturers: Pedro Fardim, Jan Gustafsson, invited lecturers

Aim and content: The chemical composition of cellulose, the technology for manufacturing of cellulose products and their analytical methods. The topics are cellulose chemistry and physics, cellulose derivatives, dissolution, regeneration, functionalisation and different analysis methods.

Learning objectives: After the course is finished the student is expected to be able to identify the chemistry and physics of cellulose and cellulose derivatives as well as sources for cellulose. The critical evaluation of processing and functionalisation of cellulose and cellulose products is also expected.

Entry requirements: Basic organic chemistry.

Target audience: Year 2-3

Form of assessment: Examination

Contact hours: 20

Literature:

- 1) Kennedy, J. F., Phililips, G.O., Williams, P.A. Cellulose – structural and functional aspects, Elis Horwood, Chichester, 1989
- 2) Selected research articles

### **Chemistry of interfaces for fibre based materials**

**415802.0**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: November-December 2013 (Period II)**

Lecturer: Pedro Fardim, Jan Gustafsson

Aim and content: To give the students a deep understanding of the chemistry, morphology and thermodynamics of the interfaces of fibres and fibre based materials and the tools to characterize them by using chemical and physicochemical approaches.

Learning objectives: After the course is finished the student is expected to be able to understand theoretical concepts of interfaces and their relation to processes and characterisation methods for fibre based materials.

Entry requirements: Knowledge in wood and fibre chemistry, and in organic and inorganic chemistry.

Target audience: Year 2-3

Form of assessment: Examination, seminar

Contact hours: 30

Literature:

- 1) Adamson, A.W. Physical Chemistry of Surfaces, 5th ed., Wiley, New York, 1990
- 2) Hunter, R.J. Foundations of Colloid Science, 2nd ed., Oxford, New York, 2001
- 3) Shaw, D.J. Introduction to Colloid and Surface Chemistry, Butterworths, London, 1980
- 4) Selected research articles

### **Biomass pre-treatments and fractionation technology**

**415801.0**

**4 credits**

**Advanced level**

**Lectured course**

**Offered: September- October 2013 (Period I)**

Lecturer: Pedro Fardim, Jan Gustafsson

Aim and content: To give the students advanced understanding of the biomass (wood and annual plants) as a raw material, different pre-treatment concepts, fractionation theories, the technology to prepare bio-based products and the tools for their characterisation. New concepts for biomass utilization are discussed from a chemical, physical and technological approach.

Learning objectives: After the course is finished the student is expected to be able to define the basic principles for production of bio-based products from biomass as well as to be able to distinguish the potentials and the limits of the raw materials for biomass. The critical evaluation of current and prospective technologies and identification of suitable characterisation methods are also expected.

Entry requirements: Knowledge in wood and fibre chemistry

Target audience: Year 2-3

Form of assessment: Examination

Contact hours: 20

### **Biocomposites**

**415506.0**

**4 credits**

**Advanced level**

**Lectured course**

**Offered: January- February 2014 (Period III)**

Lecturers: Pedro Fardim, Jan Gustafsson

Aim and content: To give the students deep understanding of biocomposites (the matrix and the bio-based reinforcement materials, e.g. cellulose fibres). The focus is on advanced characterisation of the components and how the properties at nanoscale are reflected on macroscale. Both established and arising technologies and areas of application are introduced. Learning objectives: After the course is finished the student is expected to be able to identify the basic physical, chemical and interfacial properties of the matrix and the bio-based reinforcement materials in biocomposites. The student should also be able to define of the main characterisation methods and requirements of biocomposites. Critical evaluation of current and prospective technology and areas of application is also expected.

Target audience: Year 2-3

Form of assessment: Examination, essay

Contact hours: 20

### **Materials for renewable and sustainable energy**

**4 credits**

**Advanced level, doctoral studies**

**Lectured course (Lectures:15 h)**

**Offered: March – May 2014 (Period IV)**

Lecturer: Pedro Fardim, Jan Gustafsson

Aim and content: To give the students a deep understanding of the raw materials and processes available for current and prospective future renewable and sustainable energy sources. The focus is laid on the scientific investigations and advanced characterisation of biomass to be utilised for bioenergy as solid, liquid, gas or electricity. Both established and arising technologies and materials are introduced.

Learning objectives: After the course is finished the student is

expected to be able to identify the basic physical and chemical characteristics of materials for renewable and sustainable energy. The student should also be able to define of the main characterisation methods and requirements in conversion of biomass to energy. Critical evaluation of current and prospective technology and areas of application is also expected.

### **Project work in Fibre and Cellulose Technology**

**415516.0, 415517.0 and 415518.0**

**2-10 credits**

**Advanced level**

**Practical laboratory course**

**Offered: As per agreement, autumn and spring**

Contact: Jan Gustafsson

Aim: To give the students practical knowledge about laboratory work and analytical methods in Fibre or Cellulose technology by independent literature survey, laboratory work, data analysis, writing a laboratory report, and oral presentation of the results.

Learning outcomes: After the course is finished the student is expected to be able to apply chosen preparation and analysis methods in Fibre or Cellulose Technology in practice, as well as be able to conclude and evaluate measured data.

Type: Advanced studies course

Study form: Practical laboratory course

### **Project work in Natural Materials Technology**

432501.0

2 credits

Intermediate level

Offered: As per agreement, periods I – IV

Contact: Jan Gustafsson (Fibre- and Cellulose Technology), Mari Nurmi (Paper Coating and Converting), Anna Sundberg (Wood and Paper Chemistry)

Aim: The course is an independent study including literature search, laboratory work or modelling work, as a continuation of any of the courses in natural material technology. Any of the professors or academic lecturers in natural material technology can act as supervisors.

Learning objectives: The student should after passed course be able to apply theories and describe methods and results in a report according to the instructions of the supervisor.

### **Advanced Fibre Technology**

**415505.0**

**5 credits**

**Advanced course**

**Lectured course (Lectures, 25 h, seminars).**

**Offered: January- February 2014 (Period III)**

Lecturer: Pedro Fardim, Jan Gustafsson

Aim: To familiarize the students with the current research and development topics in the biomass and fibre technology and chemistry. The topic of the course is yearly varying between new current advanced concepts and technology in fibre, biomass and pulp technology.

Learning objectives: After the course is finished the student is expected to be able to identify different possibilities and challenges in exploitation of natural material to different fibre products, as well as be able to define and evaluate the technology for their production.

## **Industrial Chemistry and Reaction Engineering**

The subject "Industrial Chemistry and Reaction Engineering" concerns the clean industrial production of biodegradable chemicals through chemical reactions. The important fields are catalysis, chemical kinetics and mathematical modelling of chemical reactors. An extensive course selection is provided from the basic level to postgraduate level. Individual guidance is provided in English.

### **Principles of Chemical Reaction Engineering**

**421100.0**

**5 credits**

**Basic level, no prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturer(s): Johan Wärnå

Aim(s): To learn basic principles of chemical reaction engineering

Contents: Basics of chemical kinetics, rate equations and basic modelling of chemical reactors.

Prerequisites: Basic mathematics

Target audience: Year 1 upwards

Form of assessment: Examination

Format: Lectures 36 h

Course literature: T. Salmi, J. Wärnå, J.-P. Mikkola: Bridging chemical reaction engineering and reactor technology, 2007 (compendium)

### **Reaction Kinetics**

**7 credits**

**Advanced level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer(s): Dmitry Murzin, Tapio Salmi, Johan Wärnå

Contact: Dmitry Murzin

Aim(s): To teach and deeply understand the physical-chemical theories of chemical kinetics

Contents: Rates of chemical reactions, transition state theory, reactions in gas and liquid, chain reactions, polymerisation and catalytic reaction kinetics, reactions of solids.

Prerequisites: Basics of physical chemistry

Target audience: Years 2-4

Form of assessment: Examination

Format: Lectures 50 h

Course literature: Distributed material, D. Murzin, T. Salmi: Catalytic kinetics, Elsevier 2005

### **Heterogeneous Catalysis**

**421300.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Spring 2014**

Lecturer(s): Dmitry Murzin

Aim(s): To understand the principle of catalysis and the function of heterogeneous catalysis.

Contents: Principles of catalysis, structure and function of heterogeneous catalysts, catalyst characterisation, catalytic kinetics and transport phenomena.

Prerequisites: Principles of physical chemistry

Target audience: Year 3 upwards

Form of assessment: Examination

Format: Lectures 72 h

Course literature: D. Murzin, T. Salmi, and L-E Lindfors: Hetero-gen katalys 2010 (compendium) and supplementary material.

## Industrial Management

Industrial Management focuses on how companies within different industries act in order to achieve competitive edge, profitability and sustainable development with special attention to project business and project management. It concerns a magnitude of issues for research and teaching: from analysis of latest trends in different industries and of the requirements that the modern business environment imposes on industrial supplier to studies of how project-based firms are organized and managed. From the research point of view, we actively engage in developing and testing business models and management processes together with large industrial suppliers. A distinguishing feature for Industrial Management is its normative character, which characterizes both the research and teaching. Unlike natural sciences, we emphasize the creation of real-life knowledge where the continuous development within companies is an important source for the teaching and research. Having active participation of company executives and various industry experts in lectures and seminars constitute an important additional dimension in our courses. Collaboration with industrial firms in order to answer an existing question is an important part of Master of Science theses that are written at the department of Industrial Management. Recent research projects focus on the patterns of development of project-based companies, competences and capabilities that are required for business success, the importance of customer relations in the project delivery and new ways to manage projects in a turbulent environment of today.

### Industrial Project Business

414503.0

10 credits

Advanced level

Lectured course

Offered: Autumn 2013

Lecturer: Magnus Hellström

Compulsory course registration through MinPlan. Max. 30 students.

Aim(s) and contents: The course provides a deep understanding of project business as a specific form of value creation. By discussing current trends in industrial project business, new business models and management processes, industry logic and investments, the students will learn about the mechanisms of project-based firms' successful functioning in an environment where complex new technologies and organizational structures have made the task to succeed even more complicated. The course focuses on strategic management, management of concurrent projects and project portfolios, business models, customer segments, investments, marketing, selling, leadership and inventing services which are related to the complex products and systems. Knowledge of project management is a prerequisite. After examination the student will have advanced knowledge about central themes of industrial project business. The student will be able to analyze different parts of industrial projects, individually and in group.

Course literature:

Davies, A. and Hobday, M. (2005) The business of projects: Managing innovation in complex products and systems.

Richards, C. (2004) Certain to Win: The Strategy of John Boyd

Applied to Business

A selection of articles.

Form of assessment: Compulsory assignments and written examination.

Prerequisites: Master's level students who have passed the project management course and who seek to deepen their skills in project business on an advanced level. Necessary qualifications will be checked.

### Project Management (Industrial management)

414303.0

5 credits

Intermediate level

Lectured course

Offered: Spring 2014

Lecturer: Magnus Hellström

Compulsory course registration through MinPlan. Max. 50 students.

Aim(s) and contents: The objective of the course is to develop an understanding of project business and project management, its concepts, practices and tools. The focus is on project planning and project management, i.e. the knowledge areas, skills and methods that are needed for managing projects successfully. The overall life-cycle of projects is considered, from early identification of needs proceeding to design, manufacturing, installation and operation of the outcome. Also the various business environments are considered as part of the course where different case examples highlight some of the future requirements on how to successfully deliver projects. Competence requirements, various organizational forms and some of the core processes in managing projects within different companies and industries are presented. Central parts of the international project management standards are discussed, mainly based on the PMI standards. An essential part of the course is an extensive assignment which is carried out in groups, including presentation in class.

Course literature: A Guide to the Project Management Body of Knowledge. A selection of articles and other literature.

Form of assessment: Compulsory assignments and written examination.

## Inorganic Chemistry

Students are introduced to the field of inorganic chemistry through an understanding of its basic principles: solid-state chemistry, homogeneous and heterogeneous chemical reactions, chemical equilibria as well as water solutions and acid-base theory. This basic knowledge is widened later on in special courses on high temperature thermodynamics, combustion chemistry and materials chemistry as well as basic concepts of metal corrosion and electrochemistry.

### Advanced inorganic chemistry

4 credits

Advanced level

Self-study course

Offered: Autumn and spring

Contact: Leena Hupa

Aim and contents: The course introduces detailed descriptive chemistry as a tool for understanding of the principles or inorganic chemistry and their applications in modern research. Course content: The elements and their compounds, periodic trends, hydrogen, the main group elements, the d-block elements, d-metal complexes: electronic structure and properties, coordination chemistry: reactions of complexes, d-Metal organometallic chemistry, the f-block elements

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Learning objectives: The student knows main trends of the reactivity of different element groups and is able to predict properties based on the periodic table of elements

Target audience: Master's and postgraduate students

Form of assessment: examination

Course literature: Handouts

### **Biorefinery - Application of Chemical Engineering Principles**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014**

Lecturers: Specialists in different areas

Contact: Niko DeMartini (course coordinator)

Aim and contents: The aim of this course is to provide students with basic information about different biorefinery concepts and the related technical challenges. The course will begin by introducing the basic components of biomass and how these differ with biomass type. The course will then introduce different biomass conversion pathways such as fractionation, pyrolysis and gasification as well as subsequent upgrading. The project will allow students to go deeper into one of these concepts through a literature study and calculations.

Learning objectives: At the conclusion of this course, students should be able to critically evaluate biorefinery concepts. They should also have a better understanding of how different principles of chemical engineering can be utilized in this industry.

Target audience: Master's and postgraduate students

Form of assessment: examination

Course literature: Handouts

### **Chemistry in combustion processes I**

**4 credits**

**Advanced level**

**Intensive course**

**Offered: Autumn 2013 (28.10-1.11.2013)**

Lecturers: Specialists in different areas of combustion chemistry

Contact: Mikko Hupa (course supervisor) Markus Engblom (course coordinator)

Aim and contents: The challenges of combustion processes are today more and more related to chemistry.

This course:

- Introduces industrial scale combustion systems and the chemistry associated with the formation of main emission components
- Introduces fundamental theoretical tools, including the use of expert software, for studying gas phase chemistry in combustion processes
- Provides theoretical basis for working in academia or industry with chemical issues of combustion processes
- Is an advanced level course within the major subjects Process Chemistry, Energy Technology, and Energy and Environmental Technology
- Builds on the principles introduced in the course Process chemistry toolbox and forms the basis for the course Chemistry in combustion processes II

Learning objectives: After completing this course, the students are expected to be able to:

- Define terms and concepts relevant to industrial combustion
- Describe the basic principles of industrial combustion systems and the chemistry within them, including the formation of main emission components
- Apply fundamental chemical theories for interpreting gase-

ous emissions from combustion processes

- Analyze combustion-related problems using expert software by following given instructions

Target audience: Master's and postgraduate students

Form of assessment: examination

Course literature: Handouts

### **Chemistry in combustion processes II**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014 (10.3-14.3.2014)**

Lecturers: Specialists in different areas of combustion chemistry

Contact: Mikko Hupa (course supervisor), Markus Engblom (course coordinator)

Aim and contents: Combustion processes is today more and more related to chemistry. New fuels are introduced regularly in an attempt to replace fossil fuels. This introduces challenges for energy technology which are often related to ash chemistry. Corrosion, deposit formation, trace metal emissions etc. may lead to costly shut downs of power plants and health/environmental problems and should be avoided. This course aims to give a basic understanding of the chemistry behind ash related problems and trace metal emissions.

The course:

- Introduces industrial scale combustion systems and ash chemistry within them
- Introduces fundamental theoretical tools, including the use of expert software, for studying ash chemistry in combustion processes.
- Provides theoretical basis for working in academia or industry with chemical issues of combustion processes related to firing new challenging fuels, ash related problems and trace metal emissions
- Is an advanced level course within the major subject Process Chemistry, Energy Technology, and Energy and Environmental Technology
- Is complementary to the course Process chemist's toolbox (Processkemiska verktyg, in Swedish) and builds upon the course Chemistry in Combustion Processes I

Learning objectives: After completing this course, the students are expected to be able to:

- Understand the challenges between different fuels when designing new combustion processes.
- Define terms and concepts relevant to ash chemistry in combustion processes
- Describe the basic principles of industrial combustion systems and the ash chemistry within them
- Apply fundamental chemical theories for interpreting ash-related problems in combustion processes
- Analyze ash-related problems using expert software by following given instructions

Target audience: Master's and postgraduate students

Form of assessment: examination

Course literature: Handouts

### **Ceramic chemistry**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Autumn 2013 (period 2)**

Lecturers: Specialists in different areas of high temperature materials chemistry

Contact: Leena Hupa (course supervisor and coordinator)

Aim and contents: The aim is to describe the basic principles of manufacture and use of conventional and advanced ce-

ramics in different construction and functional applications. Topics included are structure, manufacture and properties of glasses, ceramics and glass-ceramics. Emphasis is on developing an understanding of how chemical bonding controls the properties of ceramic materials. Further, the differences between ceramics, metals and organic materials are discussed. Application of ceramic phase equilibrium diagrams in materials research is also introduced.

Learning objectives: The student can in general terms explain  
1) the most important differences between the material groups metals, ceramics and polymers, 2) how properties of ceramics depend on the structure,  
3) how manufacturing parameters affect the properties  
Target audience: Master's and postgraduate students  
Form of assessment: examination  
Course literature: Handouts

### **Corrosion of metals**

**4 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014 (period 3)**

Lecturer: Leena Hupa

Aim and contents: Base metals belong to the most important materials used in different chemical plants and equipment. This course aims to introduce basic concepts needed to understand corrosion resistance and different methods to avoid corrosion in aqueous solutions. The course is aimed for chemical engineering and chemistry students and requires knowledge in general chemistry. Different corrosion types, passivation, polarization and corrosion protection via material choice, design, anodic and cathodic protection, inorganic and organic coatings are discussed. Examples of corrosion case studies demonstrate further the subject.

Learning objectives: The student can analyze and discuss potential factors which might have caused the observed corrosion case and also suggests possible solutions to avoid corrosion.

Target audience: Master's and postgraduate students

Form of assessment: examination

Course literature: Handouts

### **Inorganic chemistry, seminars**

**5 credits**

**Advanced level**

**Offered: Autumn 2013, Spring 2014 (periods 1-4)**

Contact: Mikael Bergelin

Aim and contents: To introduce the research areas within the fields of materials and combustion chemistry. To learn how to find information, process it, and present it in an easily accessible way.

Learning objectives: The student is familiar with scientific information retrieval, and can present the findings in the form of an oral presentation.

Target audience: Master's and postgraduate students

Form of assessment: oral presentation and written report

Course literature: Handouts

### **Special laboratory course**

**10 credits**

**Advanced level**

**Supervised laboratory studies**

**Offered: Autumn 2013, Spring 2014 (periods 1-4)**

Supervisors: Specialists in different areas of materials and combustion chemistry

Contact: Mikael Bergelin

Aim and contents: To introduce the main research methods

and equipment used in inorganic materials and combustion related research. To learn critical results evaluation and scientific reporting.

Learning objectives: The student understands the basic principles of determination of the main properties of inorganic constituents in various matrices. The student is able to present the data according to scientific principles.

Target audience: Master's and postgraduate students

Form of assessment: written report

Course literature: Handouts

### **Solid state chemistry**

**(old course name Inorganic chemistry)**

**6 credits**

**Intermediate level**

**Lectured course and laboratory exercises**

**Offered: Autumn 2013 (periods 1 and 2)**

Lectures: Leena Hupa and experts on different instrumental methods

Contact: Leena Hupa

Aim and contents: This course gives the grounding of solid state chemistry and equilibria between solid phases and gases or melts. Research methods and equipment commonly used in inorganic and materials chemistry are introduced. Structure and bonding in solid state, properties of crystalline and amorphous materials, and phase diagrams for binary systems will be studied. In the laboratory part, X-ray analysis, scanning electron microscopy, thermal analysis and atomic force microscopy will be introduced.

Learning objectives: The student can

-draw and interpret simple cubic structures for ionic compounds and covalent crystals

-use binary phase diagrams for condensed systems to estimate the high temperature behaviour of materials

-in general terms describe which information on the material can be gained from the instrumental analyses of the materials in the laboratory part of the course

Target audience: Master's and postgraduate students

Form of assessment: examination and accepted laboratory work report

Course literature: handouts

### **Producing scientific papers from your research**

**2 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014 (period 3)**

Lecturer: Mikko Hupa

Contact: Mikko Hupa

Aim and contents: This interactive seminar course will give the students a forum to learn and discuss how to produce good scientific papers of their research work in chemical engineering. The main focus is not on linguistic questions, but rather on the process of planning, structuring, and practical writing of good scientific papers. Papers very seldom are simple summary reports of a research project. One key question is what to include in a paper and how to structure ongoing research work in pieces suitable for publication. Topics to be discussed include the following:

-Where to publish? Types of publications?

-What to include? Publishable unit?

-Title and detailed structure of the paper

-Getting the paper published? Rebuttals to reviewers, etc.

Learning objectives: To identify the critical steps in the process of publishing papers from your research

To get your first papers more easily produced and published

To read scientific literature more critically and faster

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To make publishing a continuous and natural part of your research work.

Target audience: Master's and postgraduate students

Form of assessment: Project report, seminars

Course literature: handouts

### **Materials in energy technology**

*(Biannual course)*

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014 (period 3)**

Lecturers: Specialists in different areas of high temperature materials chemistry

Contact: Leena Hupa (course supervisor and coordinator)

Aim and contents: Materials and their performance play an important role in various energy technology related processes.

This course introduces high temperature properties and chemical as well as mechanical durability of metals and ceramic refractories used in typical environment of energy production via combustion of renewable and fossil fuels, as well as waste demolition. The course introduces fundamental theoretical tools, definitions and phenomena in questions related with high temperature deterioration of materials.

Stability and phase diagrams are used to demonstrate and discuss different approaches to avoid corrosion in industrial environments. The course is an advanced level course within the major subjects Process Chemistry, Energy Technology, and Energy and Environmental Technology

Learning objectives: The student can

-in general terms explain high temperature corrosion mechanisms and explain the principles for material selection for industrial high temperature processes

-use theoretical tools to interpret and estimate conditions for corrosion

Target audience: Master's and postgraduate students

Form of assessment: examination

Course literature: Handouts

## **Paper Coating and Converting**

The subject "Paper Coating and Converting" primarily focuses on the science behind surface functionalization of natural fiber-based materials for various end-uses. Examples include control of paper surface properties for improving printability, conversion of paper into specially designed products, e.g., water resistant paper for food packaging, and making substrates compatible with intelligent paper-based concepts, e.g. printed electronics. At the intermediate level, the students are introduced to the basics of surface treatment processes, and both microscopic as well as macroscopic analyses of the coatings and the coated paper products. Advanced level courses are given in rheology, natural fibre-based composites and nanotechnology. Project work and Master's thesis work at Paper Coating and Converting can include either laboratory experiments and/or computer modeling. Guidance in English is provided.

Further information and times for the courses can be found at <http://www.abo.fi/lpcc>

### **Pigment Coating**

**418310.0**

**4 credits**

**Intermediate level**

**Lectured course**

**Offered: Spring 2014, first lecture 8.1. at 14, Gadolinia 4th floor**

Lecturer: Martti Toivakka

Aim: To provide an intermediary understanding of the pigment coating process, and familiarize students with the raw materials and the chemicals used in surface sizing and pigment coating of paper and board.

Content: Printing fundamentals, colloidal stability and rheology of coating colors, pigments, binders, chemicals, surface-treatment machinery, drying, and calendering. The course includes practical laboratory work.

Entry requirements: Basic knowledge of papermaking and paper chemistry.

Format: Lectures, exercises and laboratory practice.

Form of assessment: Examination

Contact hours: 24 h

Literature: Handouts and material provided by the lecturer

### **Project Work in Paper Coating and Converting**

**2, 3 or 5 credits**

**Advanced level**

**Offered: Autumn 2013-Spring 2014**

Contact: Martti Toivakka

Aim: To enable students to plan and carry out laboratory work or computer modeling in a topic related to paper coating and converting.

Content: Depending on the projects available at the moment. Literature survey, laboratory work or computer modeling, reporting. May serve as a bridge to a Master Thesis subject.

Entry requirements: Pigment coating.

Format: Independent research exercise.

Form of assessment: Report, presentation

Literature: Independent literature search of scientific journals and books.

### **Printing Technology**

**418501.0**

**4 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014, first lecture 10.3. at 10, Gadolinia 4th floor**

Lecturer: Juha Saari

Aim: To provide an introduction to printing technology

Contents: The students will familiarize themselves with the various printing processes, printed products and graphic arts terminology, and learn the basic workflow from prepress to the final product and how the substrate and the printing process affects final print quality.

Entry requirements: Pigment coating.

Format: Lectures, student seminars and group work

Form of assessment: Presentation of group work, written examination

Contact hours: 4 day intensive course, excursion

Literature: Kipphan, H: Handbook of Print Media, Springer 2001, ISBN: 3-540-67326-1

**Introduction to rheology****418515.0****4 credits****Advanced level, open for both undergraduate and post-graduate students****Lectured course****Offered: Autumn 2013, first lecture 21.10. at 10., Gdolinia 4th floor**

Lecturer: Anders Sand

Aim: To familiarize the students with basic concepts of rheology and rheological measurements

Contents: Background, terminology and fundamentals of rheology, rheological phenomena, relating of rheology to material microstructure, different rheometer types, rheological models, simple data analysis and results treatment, examples from practical applications.

Entry requirements: None

Format: Lectures, laboratory exercises, group exercises or seminar work, classroom demonstrations

Form of assessment: Closed book and open book exam

Contact hours: 28 hours

**Biomimetics: Biological Inspiration for Materials and Design****418524.0****5 credits****Advanced level, open for both undergraduate and post-graduate students****Lectured course****Offered: Spring 2014, first lecture 4.2. at 10. at 9, Gdolinia 4th floor**

Lecturer: Parvez Alam

Aim: To provide students with an in-depth understanding of a number of biological organisms that humans mimic for application to man-made materials and structures. The student should at the end of the course not only understand the material science and engineering aspects behind biomimicry, but also its application to man-made materials and structures. The aim of this course is to familiarise students with the science, logics, imagination and application involved in biomimetics. Contents: The course will comprise a set of lectures aimed at (a) understanding the fundamental sciences in biomimicry, (b) considering the means by which inspiration is derived from nature and subsequently applied to engineered materials and (c) the importance of designing and applying biomimetics to meet the requirements of modernisation.

Entry requirements: None

Format: Lectures, coursework.

Form of assessment: Coursework (50%) and written exam (50%)

Contact hours: 42 hours

**Process Control**

The Process Control Laboratory gives courses in design and analysis of feedback control systems. This includes topics such as dynamic modelling, control theory, system identification, signal processing and data analysis, controller design and analysis. For more information, please see <https://www.abo.fi/student/en/reglerteknik>.

**Process dynamics and control****419307.0****7 credits****Intermediate level****Lectured course****Offered: Spring 2014**

Contact Kurt-Erik Häggblom

Aim: The course gives basic knowledge of process dynamics, process models, process control, digital control, control system analysis and design using both frequency-domain and state-space methods. This course is a prerequisite for more advance courses in control engineering.

Course website: <https://www.abo.fi/student/tkfrtprodyc>

Contents: Introduction to process dynamics and control; physical modelling of chemical and other processes; empirical modelling; analysis of process dynamics; control system instrumentation; design and analysis of feedback control systems; advanced control methods.

Learning outcomes: After taking the course, the student is expected to be able to

- explain basic control concepts such as block diagram, system input and output, transfer function, system pole and zero, impulse response, step response, frequency response, stability, control performance, feedback and feedforward control;
  - solve simple control engineering problems;
  - apply computer tools for analysis, design and simulation.
- More specifically, the problems may be to
- derive dynamical models for simple process engineering systems using first principles;
  - determine linear approximations of nonlinear differential equations;
  - determine linear dynamical models for simple systems based on their impulse or step response;
  - use the Laplace transform as well as state-space formulations for analysis of linear dynamical systems and calculation of their time responses to simple inputs;
  - analyse the stability of linear feedback systems using frequency-domain methods;
  - tune PID controllers based on step response, frequency response or a model;
  - design simple controllers based on given performance and/or stability specifications for the controlled system;
  - design simple digital controllers.

Forms of examination: Written examination.

Target group: Students in the Master's Degree Programme in Chemical Engineering.

Course literature: Seborg et al: Process Dynamics and Control, Wiley 2011

**Modeling and control of stochastic systems****419503.0****9 credits****Advanced level****Lectured course****Offered: Spring 2014 (Period 3)**

Lecturer: Tore Gustafsson

Aim: To give the students knowledge in designing feedback

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control systems for quality control in process industry and telecommunication, where disturbances are mainly stochastic. Course website: <https://www.abo.fi/student/tkfrtmrss>  
Learning outcomes: After the completed course the students are able to

- analyze experimental data in the form of time series or spectral densities.
- identify stochastic models for processes and disturbances from experimental data.
- design minimum-variance controllers for processes with stochastic disturbances.
- design self-tuning and adaptive controllers.

Contents: Description of stochastic processes and modeling of systems which are affected by stochastic disturbances. Time series analysis, prediction, minimum variance control, identification and adaptive control.

Teaching methods: Lectures, including small exercises

Obligatory assignments with personal supervision.

Forms of examination: Written examination.

Target group: Master's and postgraduate students.

Lecture notes: "Modelling and Control of Stochastic Systems" by Hannu Toivonen

### **Plantwide control**

**419505.0**

**7 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014 (Period 4)**

Lecturer: Kurt-Erik Häggblom

Aim: The course gives students knowledge of control and monitoring of multivariable processes, including complete plants with a large number of variables.

Course website: <https://www.abo.fi/student/en/kursinfort>

Learning outcomes: After taking the course, the student is expected to be able to

- explain what plantwide control is;
- explain the difference between typical simple control structures;
- design a decoupling control structure;
- choose variables and their pairings for decentralized (fault-tolerant) control;
- explain how a soft sensor works;
- design (simple) model predictive control laws
- explain the basics of process monitoring

Contents: Introduction to plantwide control; simple control structures; decoupling; choice of variables; decentralized control; integral controllability and integrity (failure tolerance); soft sensors; optimized control structures; model predictive control; process monitoring.

Prerequisites: Courses in differential equations and complex numbers are recommended.

Teaching methods: Lectures and assignments.

Forms of examination: Home examination.

Target group: Master's and postgraduate students.

### **Special course in control engineering**

**419511.0**

**5 credits**

**Advanced level**

**Lectures or project work**

**Offered: Upon agreement**

Lecturer: Jari Böling

Aim: Further studies in some special (advanced) area of control engineering.

Course website: <https://www.abo.fi/student/en/kursinfort>

Contents: The course may be an advanced (lectured) course

not given regularly, or some other advanced course offered by the process control laboratory, e.g.

- Control of Discrete Event Systems (419502)

- Laboratory Course in Control Engineering (419505)

According to agreement with the teacher, the course can also be a project consisting of experimental, calculation, simulation, or similar studies. A report is written about the work and presented in a seminar.

Target group: Students of the Master's Programme in Chemical Engineering or other students not taking the regular control engineering courses.

## **Process Design and Systems Engineering**

One of the many tasks a chemical engineer needs to master in his/her work is the overall design of processes. Knowledge and understanding is needed about basic unit operations, mass and energy balances, sizing of units and pipes, modeling, planning and optimization. All this is part of process design and is reflected in the courses that are given at the laboratory. The laboratory also gives courses in energy and environmental technology as well as planning and evaluation of experimental work using statistics. A few of these courses are offered in English.

The research at the process design laboratory is conducted in three distinct areas:

- Process and production optimization, where the main focus is on the development of numerical methods and models for solving mixed-integer non-linear programming (MINLP) problems with applications in process synthesis and production planning. In this area the laboratory leads a center of excellence in Optimization and Systems Engineering funded by the university.
- Environmental engineering, where flue gas desulphurization and the limestone based absorbents that are used for this process are examined.
- Energy technology, where special interest has been put on simultaneous heat and mass transfer in paper drying and gasification of organic matter in water at supercritical conditions.

### **Basics in Process Design**

**411116.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer/Contact: Frej Bjondahl

Aim: The aim of the course is to train the student to solve process design problems. Mass and energy balances are set up using block flow diagrams and are used for calculation of mass and energy flows in process systems while equipment for storage, preprocessing, reaction, separation, heat exchange and transport are described and roughly sized based on the mass and energy flows in such process systems. Elementary instrumentation for control and cost estimates is also made. Learning outcome: After completing the course the student is expected to be able to set up and solve mass and energy balances and to select and size process equipment as well as make cost estimates.

Course website: <http://www.abo.fi/tkf/at/Courses/>

Teaching methods: The central parts of the course are demonstrated during lectures and trained in exercise assignments.

Forms of examination: Written examination with calculations. All aid is allowed apart from computers and calculators with internet access. All exercise assignment reports must be approved before taking part in the exam.

Target group: The course is intended for students in the Master's Programme in Chemical Engineering as well as international exchange students.

Course literature: Sinnott, R. K.: Coulson&Richardson's Chemical Engineering, volume 6, Chemical Engineering Design, ISBN/ISSN: 0 7506 4142 8, Butterworth-Heinemann, third edition; Coulson, J. M., Richardson, J. F., Harker, J. H., Backhurst, J. R. : Coulson&Richardson's Chemical Engineering, volume 1, Fluid Flow, Heat transfer and Mass Transfer, ISBN/ISSN: 0 7506 4444 3 Publisher: Butterworth-Heinemann, sixth edition  
Course compendium: Basics in Process Design (2006)

### **Process Plant Design**

**411500.0**

**5 credits**

**Advanced level**

**Project work, seminars**

**Offered: Autumn 2013**

Lecturer/Contact: Frej Bjondahl

Aim: The aim of this course is to give the students insight into the methodology that is used in process plant design and the various phases the work goes through. The course is a project work which consists of the planning of a process. During the course the students will calculate mass and energy balances, select equipment sizes and plan the instrumentation. They will also simulate the process as well as draw block flow diagrams and piping and instrumentation diagrams. An introduction to process simulation with and technical drawing will be given during the course.

Learning outcome: After completing the course the student is expected to be able to find information necessary for process design, to calculate material and energy flows in the process, to select and size major equipment and estimate the cost of the process. The student must also be able to describe the design both in writing and orally. The student should also be able to describe the different phases of a process design project.  
General skills: During the course the student searches for information, works in a group of people, collects, selects, analyzes and modifies available information and presents the completed work.

Teaching methods: The supervisor meets the students during several meeting for general discussion about the different steps in the design process as well as for demonstration of process simulation tools and tools for technical drawing. The completed work is presented during a public seminar.

Forms of examination: The work is graded by the supervisor based on the activity during the course, the final report and the final presentation.

Target group: The course is aimed at students in the Master's Programme in Chemical Engineering as well as international exchange students.

Course literature: M. S. Peters, K. D. Timmerhaus, R. E West: Plant Design and Economics for Chemical Engineers, international edition ISBN/ISSN: 0-07-119872-5 McGraw-Hill, fifth edition/2003; R. H. Perry, D. W. Green: Perry's Chemical Engineers' Handbook ISBN/ISSN: 0-07-135540-5, McGraw-Hill: seventh edition/1999; R. K. Sinnott: Coulson&Richardson's Chemical Engineering, volume 6 ISBN/ISSN: 0-7506-4142-8, Elsevier Butterworth-Heinemann, 3rd edition/1999

### **Special Work in Process Engineering**

**411117.0**

**2 credits**

**Intermediate level**

**Independent research exercise**

**Offered: Upon agreement**

Contact: Frej Bjondahl

Aim(s): The aim of the course is to develop the student's ability to independently solve assignments and to present the results both orally and in writing. The assignment can be a planning- and simulation work, a literature study, laboratory work or similar in areas related to process engineering.

Course website: <http://www.abo.fi/tkf/at/Courses/>

Learning outcomes: After completing the course the student is expected to be able to independently solve specified simple assignments in process engineering, to draw conclusions about the results and to present the results both orally and in writing.

General skills: Depending on the topic the student would train skills in literature search, process simulation and/or laboratory work as well as skills in presenting information in writing and orally.

Teaching methods: The student discusses the topic of the assignment with the supervisor during several meetings. The student writes a report about the work and presents the results during a public seminar.

Forms of examination: The supervisor grades the work based on the discussions with the student, the report and the presentation.

Target group: The course is intended for students in the Master's Programme in Chemical Engineering as well as international exchange students.

### **Seminars in Process Design and Systems Engineering**

**411517.0**

**2-10 credits**

**Advanced level**

**Independent research exercise**

**Offered: Upon agreement**

Contact: Frej Bjondahl

Aim(s): The aim of the course is to give the student further knowledge in the area of process design and systems engineering. According to agreement with the supervisor, the work may consist of experimental, calculation, programming or simulation studies etc. A report is written about the work and presented as a seminar.

Course website: <http://www.abo.fi/tkf/at/Courses/>

Learning outcomes: After completing the course the student is expected to be able to independently solve specified advanced assignments in process design and systems engineering, to draw conclusions about the results and the present the results both orally and in writing.

General skills: The student will become more accustomed to working independently as well as train skills in presenting information in writing and orally. Depending on the topic the student would also train skills in literature search, process simulation and/or laboratory work.

Teaching methods: The student discusses the topic of the assignment with the supervisor during several meetings. The student writes a report about the work and presents the results during a public seminar.

Forms of examination: The assignments can be split into one or more parts. The total grade is calculated as an average of the individual grades of the parts weighed by the number of credits for each part. The supervisor grades each part

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based on the discussions with the student, the report and the presentation.

Target group: The course is intended for students in the Master's Programme in Chemical Engineering as well as for international exchange students.

# Thermal and Flow Engineering

The Thermal and Flow Engineering Laboratory gives education in heat and mass transfer, thermodynamics, fluid mechanics, energy technology, separation technology, process modeling and optimization, as well as artificial intelligence. The courses are designed to prepare the students to solve real-world problems in their future profession.

### Principles of process engineering

**424102.0**

**7 credits**

**Intermediate level**

**Offered: Autumn 2013**

Lecturer(s): Henrik Saxén, Mikko Helle

Contents: To introduce the concept of macro-balance modeling in thermodynamics, with applications to energy and engineering problems. General principles of process modeling using mass, elemental, energy and entropy balances with examples. Thermodynamic state variables and state diagrams. Heat and power generation, basic theory for heat pumps. Gas flow under expansion. Energy and entropy in chemically reacting systems.

Lecture notes: <http://www.abo.fi/student/ppe>

### Refrigeration

**424503.0**

**4 credits**

**Advanced level**

**Lectured course**

**Offered: Autumn 2014 (November / December)**

Lecturer: Ron Zevenhoven

To give an overview on refrigeration theory and transfer knowledge on equipment design and operation, including recent developments.

Prior knowledge: PTE1 and PTE2.

Contents: Overview on different refrigeration processes, vapourisation cooling, heat pumps, low temperature processes, hydrogen.

Literature: Course compendium.

Examination: Exercises and written exam.

### Transport Processes

**424508.0**

**4 credits**

**Advanced level**

**Lectured course**

**Offered: Autumn 2013 (November / December)**

Lecturer: Ron Zevenhoven

Aim: To give the student advanced knowledge and understanding of physical transport phenomena as encountered during (chemical) process engineering and how these can be modelled. Especially important are two- and three-dimensional and time-dependent systems, including cases with also a convective flow is involved.

Contents: The student will expand his basic knowledge of heat and mass transfer and fluid dynamics to time-variant,

two- and three-dimensional cases that may include a fluid flow. After the course the student is skilled in what is called Computational Heat and Mass Transfer.

Topics: Stationary and non-stationary heat and mass transfer in 2-D and 3-D. Laminar and turbulent boundary layer flows. Heat and mass transfer in laminar and turbulent flows.

Literature: Course compendium.

Examination: Exercises and written exam.

Lecture notes: <http://users.abo.fi/rzevenho/kursRZ.html>

### Neural Networks

**424501.0**

**5 credits**

**Advanced level**

**Intensive course**

**Offered: Spring 2014**

Lecturer: Henrik Saxén

Aim(s): To give the students an introduction to artificial neural networks and their use in problem solving in engineering.

Course website: <http://www.abo.fi/student/nn>

Contents:

Background to artificial neural networks.

- Some historical networks models
  - Multi layer perceptron networks
  - Radial basis networks
  - Recurrent networks
  - Networks with unsupervised learning
  - Practical problem solving with neural networks
- Course literature: Lecture notes and scientific papers.

### Evolutionary Algorithms

**424511.0**

**5 credits**

**Advanced level**

**Web-based course**

**Offered: Spring 2014**

Lecturer: Frank Pettersson

Background: In the last 20 years, the growth in interest in stochastic search methods for optimization has been quite dramatic. Having once been something of a daydream in the field of optimization, evolutionary algorithms have now attained considerable respect and are extremely popular. They have proven to be good alternatives to the traditional deterministic optimization methods in many challenging real-life problems. The wide field of different types of applications as well as the relative simplicity of implementation renders them as really attractive choices for optimization purposes.

Learning outcome: The students will gain and demonstrate an understanding of Evolutionary Algorithms (EA) with a particular focus on Genetic Algorithms (GA), and how these methods can be used in different practical optimization tasks. Furthermore, multi-objective optimization will be introduced and the students will demonstrate knowledge in how EAs can be used for their solution. Several applications of EA in different fields, with the aim of being of general interest, will be discussed and solved during the course.

The students will demonstrate their understanding and skills in assignments, an individual exercise and oral exam.

Schedule and practical details: The course will be organized as a web-based course open to graduates and undergraduates. Lectures will be given when needed and both the lectures and the lecture notes will be in English. The course will be given in periods 3 and 4 with an introductory meeting in the middle of February.

Course literature: Lecture notes, the references therein, and some journal articles.

Prerequisites: Basic knowledge in any programming language (e.g. Matlab, Pascal, C, Fortran) is required and some knowledge in traditional optimization methods are desirable.

How to enroll: Please contact Frank Pettersson, frank.pettersson@abo.fi, with information on your major subject as well as some indications of your background regarding the topics mentioned in the prerequisites section.

### Fluid and particulate systems

**424514.0**

**4 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014 (January / February)**

Lecturer: Ron Zevenhoven

Contents: 1) To give more basic and some advanced knowledge on fluid mechanics, ranging from fluids and fluid flows to multi-phase flows and powders. The student will extend on basic knowledge on simple fluids and be introduced to technical applications of the mechanics of compressible and non-compressible fluids, multi-phase flows and powders. Topics addressed are: 1) Fluid flow basics; 2) Internal flow (flow in ducts); 3) External flow (flow around bodies), Flow in porous structures; 4) Flow dynamics, Compressible flow, Momentum balances; 5) Particulate systems, particule size disdtribution; 6) Multiphase flow, Aerosols; 7) G/S, L/S separations (filters, cyclones, centrifuges, sedimentation, ESP); 8) Fluidization, Pneumatic conveying; 9) Crystallisation, 10) Powder flow.

Examination: A written examination

Lecture notes: <http://users.abo.fi/rzevenho/kursRZ.html>

## Wood and Paper Chemistry

Wood from forests is the most abundant renewable material on earth. Thorough knowledge of this biomass is of utmost importance in order to meet present and future needs of materials in a sustainable way.

In our laboratory, wood components are investigated by aid of advanced analytical techniques. The wood components are followed along the route from the forest to fibres (pulp) and paper. The main Aim is to investigate and understand reactions, phase transitions and interactions in pulping and papermaking at the molecular level. Broader utilization of wood and other biomass sources, including e.g., natural specialty chemicals or bioactive compounds, is also a goal of the research efforts. For more information, please visit our web pages at <http://www.abo.fi/student/traochpapperskemi>

Courses are given both at the undergraduate and graduate level in wood and paper chemistry, including the process chemistry of pulping and papermaking. Analytical techniques for pulp and paper research are also investigated both theoretically and in practical laboratory work. It is also possible to take a course in laboratory project work (2 - 10 credits), where students will be involved in a research project at our laboratory. The work includes an independent literature search, practical laboratory work and writing a report. Depending on projects available, it is also possible for students to do their M.Sc. thesis at the laboratory.

The laboratory is headed by Prof. Stefan Willför. The team of about 25 persons is part of the Process Chemistry Centre (PCC).

### Wood and Paper Chemistry

**423102.0**

**5 credits**

**Intermediate level**

**Lectures and laboratory work**

**Offered: Autumn 2013**

Lecturer: Anna Sundberg (40 h)

Aims: Give students basic knowledge about the morphology and chemical components of wood and pulp fibers as well as the chemicals used in papermaking

Content: Morphology of wood and fibres. Wood constituents: cellulose, hemicelluloses, lignin and extractives. Reactions of wood constituents in pulping and papermaking. Mechanical pulping. Colloidal stability, dry strength, process chemicals, filler and pigments. The course ends with practical laboratory work.

Learning Objectives: The student should after the course be able to describe the most common components in wood and be able to explain how these react in pulping and bleaching. The student should also be able to mention the most common chemicals used in papermaking and explain why they are used.

Prerequisites: Basic knowledge in organic chemistry

Target audience: B.Sc.

Form of assessments: Written examinations and written laboratory report

Format: Lectures (about 40 h) and practical laboratory work

Literature: Course book

### Analytical Techniques for Pulp and Paper

**423305.0**

**5 credits**

**Advanced level**

**Lectures and laboratory work**

**Offered: Autumn 2013**

Lecturer: Stefan Willför

Aim: The students will learn to chemically characterize wood, paper and process waters using analytical techniques common in the pulp and paper industry and research laboratories. Content: Preparation, isolation and determination of wood constituents in wood, pulp and paper using different methods. Examples of methods: extraction, chromatographic and spectroscopic methods (e.g., GC, GC-MS, HPLC, TLC, NMR, FTIR). The course ends with practical laboratory work.

Learning Objectives: The student should after the course be able to list and describe the most common chemical analytical methods used for wood and in papermaking. The student should also be able to perform the most important analysis in practice.

Prerequisites: Wood and Paper Chemistry, 423101

Target audience: B.Sc.

Form of assessment: Written examinations and written laboratory report

Format: Lectures (about 25 h) and practical laboratory work

Literature: Handouts

### Current research in renewable materials chemistry

**423510.0**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014**

Supervisor: Stefan Willför

Aim and content: Presentation of current research at the laboratory of wood and paper chemistry. The topic is different every year. The course includes lectures, literature review and seminar work.

Learning Objectives: The student should after the course be

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able to describe and examine a topic of current interest in renewable materials chemistry under the examiner's instructions.  
Entry requirements: Wood and Paper Chemistry (423101); Analytical Techniques for Pulp and Paper (423305)  
Target audience: Master's level  
Form of assessment: Exam and accepted laboratory report  
Contact hours: Lecturers (20 h) and seminar work, presentations  
Literature: Research journals and books

### **Biotechnology and -products in pulp and paper** **423508.0**

**4 credits**

**Advanced level**

**Lectured course + seminars**

**Offered: Autumn 2013**

Supervisor: Stefan Willför + different lecturers

Aim and content: The topics of the course include terms used in biotechnology, microbiological degradation of wood substances, and biological and enzymatical processes used in pulp and paper. The course also deals with production and use of new bioproducts.

Learning Objectives: The student should after the course be able to describe the most basic terms in biotechnology and be able to identify common bioproducts from the pulp and paper industry.

Entry requirements: Wood and Paper Chemistry, 423101, and Analytical Techniques for Pulp and Paper, 423305 /

Target audience: Master's level

Form of assessment: Written examinations + seminar work

Contact hours: Lectures 20 h (intensive course) + Seminars/ other groups work

Literature: Handouts, Research journals and books

### **Laboratory project in Wood and Paper Chemistry** **423513.0, 423506.0, 423506.0**

**5-10 credits**

**Advanced level**

**Independent research exercise**

**Offered: Continuously, upon agreement**

Supervisors: Stefan Willför and Anna Sundberg

Aim and Content: The students will be involved in a research project at our laboratory. The work may include an independent literature search, practical laboratory work and writing a report.

Learning objectives: The student should after passing the course be able to

- apply theories from courses related to the project work
- plan and carry out laboratory work or according to the given instructions
- explain theory, methods and results in a written report

Entry requirements: Wood and Paper Chemistry, 423101, and Analytical Techniques for Pulp and Paper, 423305

Target audience: Master's level

Form of assessment: Report

Contact hours: Depends on amount of credits

Literature: Research journals and books

### *PhD Courses*

#### **Modern analytical tools for pulp and paper** **423802.0**

**8 credits**

**Postgraduate, PhD level**

**Lectured course + seminars**

**Offered: Autumn 2013**

Supervisor: Stefan Willför

Level: Postgraduate, PhD level

Period: II, Nov-Dec 2013

Aim and contents: This course will present the most recent analytical techniques for pulp and paper. The course topics may include sampling and storage, extraction and analysis of hydrophilic and lipophilic extractives, analysis of polysaccharides, determination of charged groups on fibres, analytical methods for DisCo's in papermaking, including flow cytometry, determination of inorganic substances (e.g. ICP-MS), surface analysis etc.

Learning objectives: The students should after the course be able to critically choose the best analytical method for the required substance or property and to explain how it works.

Generic skills: The students will be familiar with pros and cons of different, sophisticated analytical methods.

Entry requirements: Wood and Paper Chemistry, 423101, and Analytical Techniques for Pulp and Paper, 423303 or similar knowledge

Target audience: Graduate students and researchers from industry and research institutes

Form of assessment: Exam and report

Contact hours: 5 days intensive course

Literature: Hand-outs, research journals and books

#### **Non-cellulosic plant polysaccharides**

**423803**

**6 credits**

**Postgraduate, PhD level**

**Lectured course + seminar**

**Offered: Autumn 2013 (14-18.10.2013)**

Supervisor: Chunlin Xu, Stefan Willför

Aim and content: Deepen the knowledge of important non-cellulosic polysaccharides (hemicelluloses, starch, and pectins) from various biomass sources. The course topics include occurrence, structure and properties of the most important non-cellulosic plant polysaccharides, analysis of composition (including uronic and hexenuronic acids), structure, molar mass, and functional groups in both plant materials, treated fibers (pulp, paper, other products), and dissolved polysaccharides, lignin-carbohydrate complexes (LCC) and degradation products from polysaccharides.

Learning objectives: The students should after the course be able to identify the most important non-cellulosic plant polysaccharides and describe the analytical methods used to analyze the polysaccharides in plant material and fibres as well as dissolved polysaccharides. The students should also be able to list some applications for polysaccharides.

Generic skills: The students know what non-cellulosic polysaccharides are, how they can be analysed and used.

Entry requirements: Students are assumed to have knowledge about carbohydrate chemistry and basic knowledge of chromatographic and spectroscopic techniques

Target audience: MSc students, graduate students and researchers from industry and research institutes.

Form of assessment: Exam and report

Contact hours: Intensive course

Literature: Hand-outs, research journals and books

#### **Project work in natural materials technology** **430301.0**

**2 credits**

**Advanced level**

**Independent research exercise**

**Offered: Continuously, upon agreement**

Supervisors: Stefan Willför, Anna Sundberg, Maristiina Nurmi, Martti Toivakka, Jan Gustafsson, Pedro Fardim

**Aim and Content:** The course in an independent study including literature search, laboratory work or modeling work, as a continuation of any of the courses in natural material technology. Any of the professors or academic lecturers in natural material technology can act as supervisors.

**Learning objectives:** The student should after passed course be able to apply theories and describe methods and results in a report according to the instructions of the supervisor.

**Form of examination:** Report

# Information Technologies

## *Computer Science & Computer Engineering*

Computer Science focuses on the study of the scientific foundations for information, computation, and communication, and on the practical techniques for implementing them in computer systems. This is a very broad area of science spanning from the theory of computing, through programming, to cutting-edge development of computing solutions for large distributed systems, including cloud-based systems. Computer Science offers a solid foundation enabling graduates to adapt quickly to new ideas, new technologies, and to multidisciplinary fields. Traditional subfields of Computer Science are algorithmics, computability, software development and verification, programming language theory, computer graphics, databases, compilers, and others.

In Computer Engineering at Åbo Akademi University you will learn how to apply the principles of computer science, engineering and mathematics to develop new computer-based solutions to today's challenges. We study Information Technology at a broad front: from large supercomputers used in scientific simulations to small embedded systems where a computer is built into an appliance and hidden from the user; from web applications and web services used in business operations and social networks to industrial computer systems used for optimization and control of technical systems. Computer Engineering includes software, hardware and how these interact with the environment and it offers courses within the subject fields of Embedded Systems, High Performance Computing, Industrial Systems Engineering and Software Engineering.

### *Prerequisites*

Most of the courses in Computer Engineering and Computer Science that are offered in English are on the advanced level and are thus meant for students on master's / graduate level. Students should have a good understanding of the basic principles of computing, programming, databases, operating systems and computer networks. Advanced courses in Embedded Systems, Industrial Systems Engineering and Software Engineering may require additional knowledge in the subject field.

### *Projects and Laboratory Work*

The department offers a capstone project course where students develop in small teams a system from the initial idea to the first running demonstrator. The course ends with a project exhibition and competition. A large number of our courses include practical assignments to be completed in a laboratory.

Please see also <http://www.tucs.fi/education/courses/> for information about the courses offered by the Turku Centre for Computer Science (TUCS), a joint research and education centre of the universities in Åbo.

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### **Project Course**

**451000.0**

**10 credits**

**Advanced (Master's / graduate) level**

**Research exercises in groups, presentation**

**Offered: Autumn 2013- Spring 2014**

Lecturers: Jerker Björkqvist, Luigia Petre, Dragos Truscan, Karl Rönholm

Aim and content: The aim of the course is to design a real-world size information system in a team. The team specifies the problem and develops a design within a given time limit.

### **Software Testing**

**452502.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course, exercises**

**Offered: Autumn 2013 (Period 2)**

Lecturer: Dragos Truscan

Testing of software applications is an important activity of the software life-cycle, some times accounting for more than 50% of the development effort. Throughout this course the students will be familiarized with the basic concepts, terminologies, and techniques needed to conduct the successful testing of software applications. Coverage criteria (graph coverage, logic coverage, etc.), input space partitioning, syntax based testing, regression testing, unit testing, integration testing, model-based testing, testing process from requirements to deployment, test instrumentation and tools, developing test plans. Java-based testing languages and tools will be taught for applying in practice the concepts learned.

Upon completion of this course, students will have the ability to:

- Apply testing at different levels of the software development process
- Use a wide variety of testing techniques in an effective and efficient manner
- Select the proper testing techniques based the on the characteristics of the system-under-test
- Evaluate test coverage and the efficiency of test suites
- Select and use the proper testing tool support

Prerequisites: basic knowledge of programming in Java, software engineering and system design

### **Development of Web Applications and Web Services**

**452501.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course, exercises**

**Offered: Autumn 2013 (Period 1)**

Lecturer: Dragos Truscan

Development of Web Applications and Web Services is an advanced software engineering course where we study different principles, protocols and techniques required to build web applications and web services following W3C standard recommendations. The main contents of the course are: Basics of Internet protocols, HTTP, building applications using stateless protocols, Concurrency, authentication and session management, web services, web development frameworks based on the Model-View-Controller pattern, persistence and Object-Relational Mappers, client-side scripting, testing.

Upon completion of this course, students will have the ability to select the proper techniques and tools for designing, implementing and testing web application and web services.

Prerequisites: basic knowledge of the programming in Python, databases and computer networks.

### **Design methods for energy efficient embedded systems**

**453506.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course, exercises, research exercises in groups**

**Offered: Autumn 2013**

Lecturer: Sebastien Lafond

Aim and content: We will study the design of embedded systems with highly data-intensive character. Such systems include implementations of media processing algorithms. The implementation is subject to constraints that include energy consumption, silicon area, and speed. In this course we will emphasize energy consumption and speed and study hardware/software tradeoffs and software optimizations. Students will learn about system level modeling, energy consumption estimation, architectural mapping and system simulation.

The main contents of the course are:

- Design flows for Embedded Systems
- Hardware platforms
- Power Consumption and its estimation
- Memory consumption

Prerequisites: Programming in C/C++, Embedded Systems design, Operation systems, Microprocessors and micro controllers

### **Multimedia Algorithm Implementation**

**453505.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Johan Lilius

Modern multimedia systems are becoming increasingly multiprocessor and heterogenous to match the high performance and low power demands placed on them by the large number of applications. The concurrent execution of these applications causes interference and unpredictability in the performance of the systems.

The course covers the following topics:

- Challenges in multimedia systems
- Application description and scheduling using dataflow models
- Modelling and analysis of application interactions using probabilistic models
- Resource management approaches
- Multiple use case system design

Learning objectives: By the end of the course the student will

- Know how to model multiple applications and use cases
- Analyze the interference between multiple use cases
- Optimize multimedia algorithm implementations for QoS
- Measure and analyze the performance of multimedia algorithm implementations

Generic skills: By the end of the course the student will

- Understand how design space exploration and evaluation tools work, and know how to apply them in other domains than multimedia algorithms

- Understand how measurements are done, be able to identify error sources, and evaluate the reliability of the results

Teaching methods: Lectures, exercises, project.

Examination: The score of the course is based on submitted exercises and an evaluation of the project.

Course literature: Akash Kumar, Henk Corporaal, Bert Mesman and Yajun Ha. Springer: 2011: Multimedia Processor Systems - Conference papers  
- Lecture notes

### **Introduction to Many core Programming**

**453600.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course, exercises, research exercises in groups**

**Offered: Autumn 2013**

Lecturer: Johan Lilius

Aim and content: Parallel computing has up-to now been mostly an issue in Scientific and High-Performance Computing. Parallel computing has been used to implement solutions for very large scientific problems and on very large clusters of computers. This landscape is changing in at least 2 ways: 1. Parallel computing is now available in desktop computers that come with 2-8 core processes, and many embedded processors are now many-core processors (e.g. OMAP 4 has dual core Cortex A9, and a TI DSP). Parallel computing is not anymore confined to the domain of very large and expensive clusters. 2. The exploitation of parallel computing capacity becomes more and more important in application areas like web-services, multi-media, gaming, etc. These application areas exhibit radically different parallelisation structures than traditional HPC application. The purpose of this course is to give the student an overview of the tools used to develop these new kinds of applications on many-core processors

Prerequisites: Operation Systems, C/C++ programming, Real-Time Systems

### **Real-Time Systems**

**453306.0**

**5 credits**

**Advanced (Master's /graduate) level**

**Lectured course, exercises, research exercises in groups**

**Offered: Spring 2014**

Lecturer: Johan Lilius

Aim and content: The student learns to understand the demands for real-time systems. After a completed course the student has acquired the skills needed to analyze the real-time and resource constraints of a real-time system design to ascertain the consistency and schedulability of the system. The student has acquired the skills needed to suggest changes to the specification or implementation strategy to ensure that the real-time constraints are satisfied. The student has acquired skills needed to design systems such that they satisfy real-time requirements.

Prerequisites: Operating system, Programming in C

### **Distributed Systems and Algorithms**

**456400.5**

**5 credits**

**Advanced level**

**Offered: Spring 2014**

Lecturer: Elena Troubitsyna

Course description: A distributed system is a computer system consisting of several independent computers, connected by a network, that can work together to perform a task or provide a service. Typical examples include: the World Wide Web, networked file systems, DNS, and massive multiprocessor supercomputers. The course will provide students with a deeper understanding of distributed systems. We will discuss the principles, techniques,

and practices relevant to the design and implementation of such systems. We will also study challenges in designing and implementing the distributed algorithms. The course aims at providing the students with understanding the major technical challenges in designing distributed systems and algorithms.

Course web-site: <http://users.abo.fi/Elena.Troubitsyna/DSA-Course13.htm>

Learning objectives:

Present the principles underlying the functioning of distributed systems;

- Create an awareness of the major technical challenges in distributed systems design and implementation;

- Expose students to modern and classic technology used in distributed systems and their software;

- Expose students to past and current research issues in the field of distributed systems;

- Provide experience in the implementation of typical algorithms used in distributed systems;

- Study major concepts in designing reliable and secure distributed algorithms.

Course literature:

Cachin, Christian, Guerraoui, Rachid, Rodrigues, Luís. Introduction to Reliable and Secure Distributed Programming. Springer, 2011

Previous knowledge: Basic programming or modelling skills

### **Software Architectures**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Luigia Petre

Aim and content: The course aims at teaching students how to design, understand, and evaluate systems at an architectural level of abstraction. After the course the student should be able to recognize different architectural styles, describe an architecture accurately, and generate and evaluate architectural alternatives.

Webpage: <http://www.users.abo.fi/lpetre/SA13/>

### **Approximation and Randomized Algorithms**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Luigia Petre

Aim and content: In this course we undertake the goal of studying approximation and randomized algorithms. The future computer scientist will find the topic as part of a massive and very active body of research on algorithms whereas the future software engineer will know alternative techniques of solving various problems efficiently. After the completed course the student is expected to define and describe the concepts of "approximation algorithm" and "randomized algorithm"; to discuss algorithms with various properties; and to compute and demonstrate the spectacularly improved complexities of the approximated/randomized solutions with respect to the exact ones.

Webpage: <http://users.abo.fi/lpetre/ARA14/>

## INFORMATION TECHNOLOGIES

### Local Networks

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Luigia Petre

Aim and content: Given the wide-spread use of computers, having them communicate with each other was the logical next step. The local (area) networks, known better as LANs, were thus born. Nowadays, LANs serve many purposes. They are not only the gates towards Internet communication, but also the means of sharing data, hardware, and software in any business, the suitable choice for some industrial processing and productions, as well as the fast backbone connecting slower networks in some organizations. LANs are used in basically every aspect of everyday life, from education and commerce to hospitals and banks, stock exchanges, warehouses, and industry. The aim of this course is to provide the students with the fundamentals of local area networks. At the end of this course the students are able to describe the fundamental features of a local area network as well as the basic research problems in this field.

Webpage: <http://users.abo.fi/lpetre/localnet14/>

### Logic for Computer Science

**456307.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course, exercises**

**Offered: Spring 2014**

Lecturer: Patrick Sibelius

Aim and content: The aim of the course is to provide the students with a basic knowledge of traditional formal semantics for propositional logic and First-order predicate logic also including some modal logic. Further, to provide some understanding of First-order properties and their representability in Turing machines.

The main contents of the course are:

- Formal semantics for propositional logic
- Set theoretical semantics for First-order predicate logic
- Some modal logic

Prerequisites: Logic, formal languages and automata

### Reliable Distributed Systems

**456400.9**

**5 credits**

**Advanced (Master's/graduate) level**

**Lectured course, exercises**

**Offered: Spring 2014**

Lecturer: Marina Waldén

Aim and content: Distributed computing systems have emerged to play a serious role in industry and society. Therefore, reliability of distributed systems has become an important issue. This course aims at giving an overview of reliable distributed systems and their components with a focus on cloud computing. We will look at possible failures in distributed systems and how to avoid them. Examples of applications of reliability techniques will be given.

The main contents of the course are:

Cloud computing

Client and Network perspectives

Different techniques for overcoming failures in distributed systems

Consistency in Distributed Systems

Reliability in Complex Systems

Course literature: K. Birman, Guide to Reliable Distributed

Systems: Building High-Assurance Applications and Cloud-Hosted Services. Springer, 2012.

### Specification Methods

**456309.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course, exercises**

**Offered: Autumn 2013**

Lecturer: Elena Troubitsyna

Aim and content: After the course students should be able to understand and formulate precise specifications. The students will also learn how to write specifications with the help of a tool that supports a specification language and to use the tool to analyze the specifications for correctness.

The main contents of the course are:

- Requirements specifications
- Formal specifications
- The basics of a specification language
- The basic skills to use the tool support for the specification language

Prerequisites: Logic I and II, formal languages and automata, programming continuation course

### Code optimization

**455304.0**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Mats Aspnäs

Contents: The goal of the course is to give an understanding of how program instructions are executed by a processor, how different components of the processor architecture support efficient instruction execution and how high level programming constructs affect the performance of a program.

Course website: <http://users.abo.fi/mats/codeopt2013>

Learning objectives: After completing the course the student can

1. Explain how code optimization fits into the software development process
2. Identify the hardware techniques that are crucial for efficient instruction execution in modern processor architectures
3. Explain the mechanisms used to implement out-of-order instruction execution, speculative execution, cache memory and floating-point computations.
4. Apply vectorization of loops with SSE-instructions.
5. Explain the optimization techniques a compiler can perform on a program.
6. Apply code optimization techniques on programs written in a high-level programming language and evaluate the effects of the optimizations.

### Introduction to computational and systems biology

**456511.0**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Ion Petre

Aim and contents: This course aims to introduce the students to the fields of computational and systems biology. The course will review some of the computational problems arising in connection to genome mapping, genome sequencing, and sequence comparison. It will also review a number of tech-

niques on computational modeling and simulation in biology.  
Course webpage: <http://www.users.abo.fi/ipetre/compsys-bio/>

Learning objectives: After the course students will have a good understanding of some of the computational challenges arising from biology and biotechnology and will be able to apply a number of algorithms to solve them. They will also have a good understanding of several computational modeling, simulation, and analysis techniques for biology.

### **Computability and computational complexity**

**456508.0**

**5 credits**

**Advanced level**

**Lectures and exercises**

**Offered: Autumn 2013**

Lecturer: Ion Petre

Course description: Computability is the area of computer science that studies the notion of computation: which problems can be solved by computers, which problems cannot be solved (by any future computer technology), and even different ways of doing computations. Computational complexity is the aim of computer science that focuses on classifying computational problems according to their inherent difficulty: which problems are easy and which are difficult, and how difficult computational problems can be.

Contents:

Turing machines

Unsolvable problems

Complexity classes

P and NP

NP-complete problems

Space Complexity

Beyond Turing

Course webpage: <http://www.users.abo.fi/ipetre/computability/>

Learning objectives: After completing the course, the student is able to reason about computability and computational complexity of different kinds of problems.

Form of examination: Final exam

Course literature: Christos H. Papadimitriou: Computational Complexity, Addison-Wesley: 1994

### **Advanced Computer Graphics and Graphics**

**Hardware**

**455302.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Jan Westerholm

Contents: Through an individual assignment in computer graphics the student designs, implements, runs, tests and presents a program for a graphics processor card.

Course website: <http://users.abo.fi/jawester/advcompgraph>

Learning objectives: The student acquires an ability to design, implement and evaluate a program for generic graphics processor cards and gains a familiarity to use one of the major existing programming languages for graphics processors: CUDA, OpenCL or OpenGL.

### **Analytics and Soft Computing**

**457515.0**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Kaj-Mikael Björk

Course description: Information and communication technology [ICT] has become both an essential resource for business and an efficient, effective and developable instrument for achieving the strategic targets that modern corporations face. The course provides the students with a basis for understanding these relations; the students will be able to independently study further and understand the development of ICT instruments and their strategic consequences, and to formulate new strategic solutions for corporations facing the challenges posed by advances in ICT.

Course webpage: <https://moodle2.vasa.abo.fi/login/index.php>

Learning objectives: When completing the course a student should be able to

- Understand and explain the key possibilities and challenges of analytics in modern corporations in the form of written essays; the issues include risk assessment and management, complex decisions, advanced planning in real time, knowledge management and mobilisation, competing on analytics
- Learn how to search for and find relevant data, information and knowledge in support of the issues dealt with in the course by working through internet sources with intelligent ICT tools

- Read, learn and critically evaluate the material of textbooks, articles and case studies

Course literature: Davenport, Thomas H. and Jeanne G. Harris: Competing on Analytics. The New Science of Winning. Harvard Business School Press, 2007.

## Information Systems

Information systems are key and crucial components of any organizations' infrastructure in a modern society where digital technology is part of all functions. Information systems are essential tools for any individual that wants to make a career in modern business, for people forming groups and teams in social networks and for managers and leaders that build cooperation for common goals. Therefore, it is important for any organization to have individuals with social and analytical skills, with competence and skills in managing information systems, and with a strong competence in problem-solving in all the functions of a modern corporation. This is the kind of individuals that Information Systems at Åbo Akademi University aims to graduate.

As part of our information systems curriculum, one can acquire in-depth knowledge in management science and information systems platforms, electronic and mobile commerce, data mining and business intelligence, IT project planning and usability of information systems.

The majority of the courses in Information Systems that are offered in English are on advanced level and are thus intended for students on master's / graduate level.

### Managing the Digital Enterprise

457304.0

5 credits

Intermediate level

Offered : Autumn 2013

Lecturer: Anna Sell, e-mail: anna.sell@abo.fi

Learning objectives: Upon completion of the course, the student should

be able to:

- Recognize, describe and analyze business models in the digital environment
- Understand and describe the digitalization of enterprises, organizations and society and the consequences of this on the market environment
- Understand and be able to apply central concepts and terminology within the field of electronic commerce correctly
- Understand how information technology can be used to leverage competitiveness and strategy in organizations from three perspectives: Business-to-business (B2B), Business-to-consumer (B2C) and Business-to-employee (B2E)
- Be able to describe ways to create and maintain trust and loyalty in the digital environment
- Recognize central security risks in the digital environment and understand issues concerning integrity of individuals, organizations and data in the electronic commerce context
- Gain basic understanding of web analytics, understand central web metrics and understand how data can be utilized to improve company strategy and operations

Literature: To be announced

Prerequisites: Basic studies in information systems

### Management Science and Inventory Analysis

457305.0

5 credits

Intermediate (Bachelor's / undergraduate) level

Lectured course

Offered: Autumn 2013

Target audience: Bachelor level students (2nd – 3rd year)

Lecturer: TBA

Aim and content: During several discussions with industry partners, it has come forth that there is a growing need of

persons with an education in business and quantitative capabilities. This course is the first step to expose the students to such methods. It is designed for business students and will not require rigid mathematical background skills.

The course focuses on quantitative methods (i.e. management science methods) in information systems. Basic principles for linear optimization are presented and the student is taught how to model real problems using both freeware software and Microsoft Excel. The student is also exposed to queuing models and inventory models. Finally, quantitative methods in the context of inventory analysis will be presented. All methods are illustrated with examples.

After completing the course the student will be able to

- Understand and explain the problems that can be solved with management science models; these include resource allocation problems, network and assignment problems, inventory problems, queuing problems and issues for using integer and simulation models
- Solve such problems with suitable tools (such as Excel and its add-ons)
- Discover the relation between management science tools and methods and their application to real-world problems
- Write reports for management on how such problems were tackled and solved

Prerequisites: Basic level courses in Information Systems

Literature: F.S. Hillier and G.J. Lieberman: Introduction to Operations Research, New York : McGraw-Hill 5th ed.

Pidd, Michael: Tools for Thinking. Modelling in Management Science, Chichester: J. Wiley & Sons 2nd ed/2003

### Electronic Commerce

457502.0

5 credits

Advanced (Master's / graduate) level

Lectured course

Offered: Spring 2014

Target audience: Master level students (4th year and later)

Lecturer: Pirkko Walden

Aim and content: The course focuses on the development of business strategies for using e-commerce within a firm. It provides an insight into the transformation taking place in information and communication technologies. The course is designed to help students understand how the changes of the Internet created marketplace unfold, and to provide them with the skills to turn significant changes into an important source of competitive advantage.

The students undertake a significant research project under the guidance of a research assistant. The project will deal with topics in the area of e-commerce that are of significant value to business. The project will focus on e-business management. Established research methodologies will be used in identifying, examining, synthesizing, and disseminating information. Prerequisites: Bachelor degree in Information Systems / Business or equivalent

### Business Intelligence

457512.0

5 credits

Advanced (Master's / graduate) level

Lectured course, research exercises in groups

Offered: Autumn 2013

Target audience: Master level students (4th year and later)

Lecturer: Barbro Back

Aim and content: The overall aim of the course is to provide an understanding of business intelligence, data warehousing, and intelligent systems.

The main contents of the course are

- Business Intelligence
- Knowledge-based systems
- Neural networks

After completing this course, students will be able to

- Define and explain what business intelligence is
- Define the role of Data Warehousing in an organization and relate the concepts of data warehouse to the business intelligence process
- Identify issues with extracting data from heterogeneous data sources
- Define an intelligent system
- Explain how artificial intelligence differs from human intelligence
- Indicate main advantages of intelligent systems
- Describe the meaning of human-like when dealing with intelligent systems
- Describe the main ideas behind a knowledge-based system
- Describe the main ideas behind neural networks
- Explain the difference among three main styles of neural network learning - supervised, reinforcement, and unsupervised learning.
- Demonstrate an ability to use software within the area of Business Intelligence.

Prerequisites: Bachelor degree in Information Systems / Business or equivalent; Databases or Data Warehousing

Literature: Kimball, R., Ross, M., Thornthwaite, W., Mundy, J., Becker B. The Data Warehouse Lifecycle Toolkit, Practical Techniques for Building Data Warehouse and Business Intelligence Systems, 2nd edition/2008

Dhar, Vasant Intelligent Decision Support Methods: the science of knowledge work Prentice-Hall, 1997

### **Data Mining and Text Mining**

**457513.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course, research exercises in groups**

**Offered: Autumn 2013**

Target audience: Master level students (4th year and later)

Lecturer: Barbro Back

Aim and content: Today, many organizations struggle with vast amount of data. Worldwide the computers have turned into massive data tombs. It is more than evident that we can capture and store data, but it is not at all evident that we are able to process and utilize it effectively and efficiently. This course concerns solutions to this problem: data and text mining. The course focuses on what data/text mining is, what data/text mining techniques and tools there are, and how to use a sample of the tools and techniques. We will use case studies using large data sets taken from real-life applications. Data mining software will be used extensively during the course.

After completing the course, students should be able to

- Describe the role of data mining and text mining in an organization
- Differ between data mining, databases and data warehousing
- Create, evaluate and apply decision tree models, unsupervised clustering, market basket models, Support vector machines, Rough Sets
- Develop scenarios in which use of decision tree models, unsupervised clustering, market basket models, Support vector machines, Rough Sets would be appropriate
- Performance evaluation of data mining and text mining methods
- Use data mining software to develop and apply data mining

models to business problems

-Discuss ethical issues surrounding the use of data mining  
Prerequisites: Bachelor degree in Information Systems / Business or equivalent; Databases or Data Warehousing; Business Intelligence

### **Computational Intelligence and Management**

**457514.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course**

**Offered: Autumn 2013**

Target audience: Master level students (4th year and later)

Lecturer: Kaj-Mikael Björk

Aim and content: Information and communication technology [ICT] has become both an essential resource for business and an efficient, effective and developable instrument for achieving the strategic targets that modern corporations face. The course provides the students with a basis for understanding these relations; the students will be able to independently study further and understand the development of ICT instruments and their strategic consequences, and to formulate new strategic solutions for corporations facing the challenges posed by advances in ICT.

The main contents of the course are:

- Computational Intelligence and modern management
- Artificial vs. Computational Intelligence: Yesterday, Today and Tomorrow
- Evolutionary Computation with Industrial Applications
- Intelligent Agents and Swarm Intelligence
- Decision Support Systems – the New, Intelligent Era
- Strategic Management and Intelligent Support
- Competitive Advantages of Computational Intelligence
- Obstacles for Applying Computational Intelligence
- ICT and the Productivity Paradox
- Cyber crime and information security

After completing the course a student should be able to

- Understand and explain the key possibilities and challenges of computational intelligence and ICT in modern corporations in the form of written essays; the issues include the potential of computational intelligence, decision making and DSS, ICT investments and productivity, strategic management and intelligent support, competitive advantages of intelligent and interactive ICT, application of computational intelligence, cybercrime and IS security technology
  - Learn how to search for and find relevant data, information and knowledge in support of the issues dealt with in the course by working through internet sources with intelligent ICT tools
  - Read, learn and critically evaluate the material of textbooks, articles and case studies
- Prerequisites: Bachelor degree in Information Systems / Business or equivalent

### **Analytics and Soft Computing**

**457515.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course**

**Offered: Autumn 2013**

Target audience: Master level students (4th year and later)

Lecturer: Kaj-Mikael Björk

Aim and content: Information and communication technology [ICT] has become both an essential resource for business and an efficient, effective and developable instrument for achieving the strategic targets that modern corporations face. The

course provides the students with a basis for understanding these relations; the students will be able to independently study further and understand the development of ICT instruments and their strategic consequences, and to formulate new strategic solutions for corporations facing the challenges posed by advances in ICT.

The main contents of the course are:

- Analytics and corporate management
- Advanced analytics and computational intelligence
- Complex decisions and advanced methods
- Risk assessment and risk management
- The forgotten skills of optimization: industrial cases
- Knowledge management and mobilization
- Competing on analytics

After completing the course a student should be able to

- Understand and explain the key possibilities and challenges of analytics in modern corporations in the form of written essays; the issues include risk assessment and management, complex decisions, advanced planning in real time, knowledge management and mobilisation, competing on analytics
- Learn how to search for and find relevant data, information and knowledge in support of the issues dealt with in the course by working through internet sources with intelligent ICT tools

- Read, learn and critically evaluate the material of textbooks, articles and case studies

Prerequisites: Basic and intermediate level courses in Information Systems; Computational Intelligence and Management

### **Mobile Value Services**

**457516.0**

**5 credits**

**Advanced (Master's / graduate) level**

**Lectured course, research exercises in groups**

**Offered: Spring 2014**

Target audience: Master level students (4th year and later)

Lecturer: Pirkko Walden

Aim and content: The course aims to trace emerging methods, technologies and business models for the production and distribution of mobile value services and to show the role and impact of mobile technology on the management processes in the corporate world. Mobile value services are new entities in both B-to-B and B-to-C markets and will introduce processes of change, with an impact on sustainable competitive advantages for a company. Central themes in the course will be the substance and form of new products and services, business models, emerging markets and information technology to support the mobile technology and logistics processes.

The main contents of the course are:

- Mobile value services: a state-of-the-art
- Emerging products and services
- Business models and emerging markets
- Wireless technologies
- Intelligent support systems on mobile platforms

Prerequisites: Bachelor degree in Information Systems / Business or equivalent.

# Law and Human Rights

Public International Law concentrates on questions of general importance, such as general concepts and principles of public international law, international organizations, international human rights, the international status of Finland and interaction between International Law and Community Law. It is also possible to choose areas of specialization such as Community Law, Law of the Sea and the Outer Space, Disarmament, Environmental Law, Human Rights etc.

Public Law concentrates on constitutional and administrative Law, including issues of participation on the one hand and issues of autonomy and sub-state arrangements on the other. Special emphasis is put on questions related to local government, civil servants, social security, community planning and construction as well as administrative remedies.

Studies in Private Law are aimed at giving an insight into national norms and principles, focusing, however, on international aspects especially as concerns questions related to commerce, transport, and the environment. European integration forms a natural part of the studies in this context.

The Department of Law at Åbo Akademi University, the Faculty of Law and the Turku School of Economics at the University of Turku organize a joint venture, called "Turku Law School" (TLS). The project involves coordination of the international cooperation, including teacher and student exchange, joint teaching in English as well as integration of education in general at the named units. The Department of Law also participates as the National Coordinating University in the European Master's Programme in Human Rights and Democratisation ([www.emahumanrights.org/](http://www.emahumanrights.org/))

### *Institute for Human Rights*

The Institute for Human Rights at Åbo Akademi University operates within the Department of Law at Åbo Akademi University. Its principle aim is to promote research, provide education and disseminate information relating to the protection of human rights. Some of the courses offered by the Institute for Human Rights have restricted entry – the selection of participants is based on registration/application.

### *Master's Degree Programme in International Human Rights Law*

The Master's Degree Programme in International Human Rights Law is offered by the Institute for Human Rights and the Department of Law at Åbo Akademi University. The programme is designed to equip its graduates for demanding human rights law assignments in international organizations, non-governmental organizations and in public administration, and for advanced human rights law research. The language of instruction is English.

### **International Protection of Human Rights**

**346115.0**

**10 credits**

**Intermediate level, please see prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturers: Catarina Krause, Programme Director, Sisay Alemahu Yeshanew, PhD, Juan-Pablo Perez-Leon Acevedo, LL.M.

doctoral candidate.

Contact: Catarina Krause, Programme Director, Åbo Akademi University, catarina.krause@abo.fi

Aim: The aim of the course is to provide a general overview and discussion of the international system for the protection of human rights.

Content: The course consists of lectures and case studies in working-groups. The lectures will cover the following topics:

Human Rights and International Law  
Human Rights in Domestic Legal Systems  
Universal and Regional Human Rights Systems  
United Nations Charter based System of Protection  
United Nations Treaty based System of Protection  
The Protection of Human Rights in the European System  
The Protection of Human Rights in the Inter-American System  
The Protection of Human Rights in the African System  
Economic and Social Rights

Human Rights and International Humanitarian Law  
Mode of study: 30-40 hours of lectures, 6-10 hours of working-group exercises as well as individual assignments and group discussions on Moodle.

Prerequisites: Students should enroll to the course at least one week before the course starts by sending an e-mail to lawcoursergistration@abo.fi or register in MinPlan.

Target audience: Target audience is students of law, international law or international relations in their 3rd year or later. Compulsory for students taking part in the Master's Degree Programme in International Human Rights Law.

Form of assessment: Written exam (60 %), Individual assignments (30%) and active participation in working group exercises and class discussions (10 %).

Course literature:

1. International Protection of Human Rights: A textbook, Catarina Krause & Martin Scheinin (eds.), Turku/Åbo: Institute for Human Rights, Åbo Akademi University 2012.
2. Additional readings will be provided to the course participants by individual lecturers.

### **United Nations and Human Rights**

**359510.0**

**5 credits**

**Intermediate/Advanced level, please see prerequisites.**

**Web-based course**

**Offered: Autumn 2013**

Lecturers: Viljam Engström, University teacher, Catarina Krause, Programme Director

Contact: Rebecca Karlsson, Coordinator, Rebecca.Karlsson@abo.fi

Aim: The participants are expected after successful completion of the course to be able to evaluate the role and mandate of various UN bodies in the international protection of human rights, to understand the difference between charter-based and treaty-based human rights mechanisms, and to review the applicability of available monitoring mechanisms in a concrete situation.

Contents: The course will address the role of human rights within the UN system through focusing on the mandates of selected UN bodies, that is, the Security Council, the International Court of Justice, the Human Rights Council and the Human Rights Committee. Emphasis will be put on the various mechanisms attached to these bodies as well as on their concrete applicability in a situation where human rights are threatened.

Mode of study: The course is built on problem-based learning methods. The participants are expected to solve case studies based on given readings and internet-based material such as UN documents, international treaties, research reports

and articles.

Prerequisites: Basic knowledge of human rights law, international law or international relations is required of the participants. Participants are selected on the basis of applications (max. 40 participants). On-line registration at <http://www.unipid.fi/en/courses/>

Form of assessment: The final grade will be calculated based on the grading of the various course modules on a scale from 0-5.

Course literature: Provided during the course.

### **Course on Refugee Law**

**346125.0**

**10 credits**

**Intermediate/Advanced level, please see prerequisites**

**Lectured course**

**Offered: Autumn 2013**

THE COURSE IS ORGANISED PROVIDED THAT FUNDS FOR LECTURER'S FEES ARE AVAILABLE

Lecturer: NN

Contact: Catarina Krause, Programme Director, catarina.krause@abo.fi

Aim: The purpose of the course is to deepen the participants' understanding on the current issues and problems of refugee law.

Content: Topics discussed during the lectures include the impact of human rights law on the treatment of asylum seekers and refugees; the principle of non-refoulement; qualification as a refugee or as a beneficiary of subsidiary protection; and asylum procedures.

Mode of study: The course consists of 10 hours of lectures, self-studying of literature and legal materials, and an exam. The emphasis of the course is on the independent studying of the reading materials; the lectures seek to clarify their contents, to underline their most significant elements and to offer examples of practical application (cases etc.).

Prerequisites: Basic knowledge of international human rights law is required of the participants. Students should enroll to the course at least one week before the course starts by sending an e-mail to lawcoursergistration@abo.fi or register in MinPlan.

Form of assessment: Written exam

Course literature:

Monographs

1. Goodwin-Gill, Guy S. and Jane McAdam: The Refugee in International Law, Oxford: Oxford University Press, 2007. pp. 1-284 and 355-505.

2. McAdam, Jane: Complementary Protection in International Refugee Law. Oxford: Oxford University Press, 2007. [total of 249 pp].

Conventions and other documents:

3. Convention Relating to the Status of Refugees, 28 July 1951, 189 UNTS, 150.

4. Protocol Relating to the Status of Refugees, 4 October 1967, 606 UNTS, 267.

5. AU Convention Governing the Specific Aspects of Refugees Problems in Africa, 10 September 1969, 1001 UNTS 45.

6. Cartagena Declaration on Refugees, Colloquium on the International Protection of Refugees in Central America, Mexico and Panama. Adopted by the Colloquium on the International Protection of Refugees in Central America, Mexico and Panama, held at Cartagena, Colombia from 19 - 22 November 1984.

7. Council Directive 2004/83/EC of 29 Apr. 2004 on Minimum Standards for the Qualification and Status of Third Country Nationals or Stateless Persons as Refugees or as Persons Who Otherwise Need International Protection and the Content of

## LAW AND HUMAN RIGHTS

the Protection Granted [2004] OJ L304/12  
Selected cases will be added during the course

### Human Rights and the Environment

**346128.0**

**10 credits**

**Intermediate/Advanced level, please see prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturer(s): Elina Pirjatanniemi, Professor of Constitutional and International Law

Contact: Elina Pirjatanniemi, elina.pirjatanniemi@abo.fi

Aim: The aim of the course is to familiarize the participants with the many linkages between protection of human rights and protection of the environment.

Contents: The linkages between protection of human rights and protection of the environment are analyzed both from the viewpoint of international human rights law and international environmental law. The course deals with substantive and procedural rights and provides a good insight into the relevant case law and treaty law. Moreover, the course reviews doctrinal debates over the topic. The course will give specific attention to the right to water and sanitation.

Mode of study: Approximately 20 contact hours. The course is based on intensive participation throughout the course. It consists of a reading circle, lectures and a written examination (take-home examination).

Prerequisites: Basic knowledge of international human rights law or environmental law is required of the participants. Students should enroll to the course at least one week before the course starts by sending an e-mail to [lawcoursergistration@abo.fi](mailto:lawcoursergistration@abo.fi) or register in MinPlan.

Target audience: Students in their 3rd year or later. Optional specialization course for students taking part in the Master's Degree Programme in International Human Rights Law.

Form of assessment: The grades (1-5) will depend on the reading circle performance (30 %) and the written examination (70 %).

Course literature: A list of readings will be provided to the course participants at the beginning of the course.

### Human Rights and Development

**346121.0**

**5 credits**

**Intermediate/Advanced level, please see prerequisites.**

**Web-based course**

**Offered: Autumn 2013**

Lecturers: Alessandra Sarelin (postdoctoral researcher), Sisay Alemahu-Yeshanew (postdoctoral researcher), Maija Mustaniemi-Laakso (doctoral candidate), Tiina Saaresranta (doctoral candidate)

Contact: Alessandra Sarelin, [Alessandra.Sarelin@abo.fi](mailto:Alessandra.Sarelin@abo.fi)

Aim: The aim of the course is to provide the students with an in-depth understanding of the challenges and opportunities related to the various strategies aiming at integrating human rights into development policy and practice.

Contents: The course will examine the interface between human rights and development through addressing the different roles human rights play within development discourse and practice. The course is part of the UniPID Network's Virtual Studies programme called Sustainability in Development. Human Rights and Development consists of an introductory week and 4 interrelated modules.

Mode of study: Online discussions and assignments.

Prerequisites: Basic knowledge of human rights law is required of the participants. Restricted entry. Participants selected

based on applications (max. 30 participants). On-line registration at <http://www.unipid.fi/en/courses/>

Target audience: Students of law, international law, international relations or development studies. Optional specialization course for students taking part in the Master's Degree Programme in International Human Rights Law.

Form of assessment: The final grade will be calculated based on the grading of the various course modules on a scale from 1-5.

Course literature: Provided during the course.

### Course on the European Convention on Human Rights

**346111.0**

**10 credits**

**Intermediate/Advanced level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

Lecturers: Catarina Krause, Programme Director.

Contact: Catarina Krause, Programme Director, [catarina.krause@abo.fi](mailto:catarina.krause@abo.fi)

Aim: The aim of the course is to familiarize the participants with the protection of human rights offered by the European Convention on Human Rights (ECHR) and the European Court of Human Rights.

Content: The course will cover the historical development of the European system of the protection of human rights, the procedure before the European Court of Human Rights, overviews on various substantive rights of the ECHR as well as future prospects of the ECHR system. The lectures will build on a case-based approach in which the participants are expected to study existing cases as well as solve fictional cases in working groups and submit written home assignment(s). A moot court exercise will be organized at the end of the course. Mode of study: 30 contact hours, approximately 12 hours of working group exercises and Moodle based questions to be answered prior to each class (based on weekly assigned readings)

Prerequisites: Basic knowledge of international human rights law is required of the participants. Students should enroll to the course at least one week before the course starts by sending an e-mail to [lawcoursergistration@abo.fi](mailto:lawcoursergistration@abo.fi) or register in MinPlan.

Target audience: students of law or international law in their 3rd year or later, including postgraduate students. Compulsory for students taking part in the Master's Degree Programme in International Human Rights Law.

Form of assessment: Written exam 70%, Moodle-based questions 20%, active participation in working group exercises and class discussions (10 %).

Course literature:

1. Jacobs & White. The European Convention on Human Rights. Clare Ovey and Robert White, Oxford: Oxford University Press, 2010 (Fifth Edition)
2. Selected cases of the ECtHR prior to each session.

### Human Rights and Economic Globalization

**5 credits**

**Intermediate level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

THE COURSE IS ORGANISED PROVIDED THAT FUNDS FOR LECTURER'S FEES ARE AVAILABLE

Lecturers: Jernej Letnar Cernic (PhD, Vice-Dean of the Graduate School of Government and European Studies, Slovenia), Maija Mustaniemi-Laakso (Researcher, Åbo Akademi Uni-

versity), Sisay Alemahu Yeshanew (D.Soc.Sci., Post-Doc Researcher, Åbo Akademi University), Viljam Engström (D.Soc. Sci., University Teacher in Constitutional and International Law, Åbo Akademi University).

Contact: Sisay Yeshanew, Sisay.Alemahu@abo.fi

Aim: The course aims to explore the actual and potential human rights challenges posed by economic globalization and its imperatives of liberalization of trade, finance and investment, deregulation of corporate activities and privatization of public goods and services. It offers students the opportunity to study the capability of the human rights regime to respond to violations or impairments emanating from the conduct of foreign states, corporations and international organizations in the context of transnational economic activities. Students will also be exposed to issues arising from the compatibility between the terms and implementation of bilateral and multilateral trade and investment agreements on the one hand and the human rights obligations of states on the other.

Content: The course deals with issues falling in the intersections of human rights and economic globalizations mainly from the perspectives of international law. It will cover the following topics: The relationship between human rights and economic globalization (Sisay), the extraterritorial human rights obligations of states (Maija), human rights and international (financial, trade) organizations (Ville), human rights and transnational corporations (Jernej), human rights and investment and trade agreements (Sisay).

Mode of study: The course is an intensive one-week course with 15 hours of lectures. Some lectures will require reading of material in advance.

Prerequisites: students would need to have basic knowledge of international law, human rights, international business or economics. They should enroll to the course at least one week before the course starts by sending an e-mail to lawcourseregistration@abo.fi or register in MinPlan.

Target audience: The course is open to students in international law, human rights, international business or economics. Optional specialization course for students taking part in the Master's Degree Programme in International Human Rights Law.

Form of assessment: Written exam

Course literature: A list of readings will be provided to the students before the course starts.

### **International Criminal Law**

**346123.0**

**10 credits**

**Intermediate level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

Lecturers: Mikaela Heikkilä (Lic.Soc.Sc., LL.M.), Juan-Pablo Perez-Leon Acevedo (LL.M. doctoral candidate).

Contact: Mikaela Heikkilä, mikaela.heikkila@abo.fi

Aim and content: The aim of the course is to familiarise the participants with the history of international criminal law and its current content. Inter alia, the history of international law, the functioning of international criminal tribunals, the international crimes and different modes to commit these crimes are considered. Special attention is given to the Statute of the International Criminal Court. International criminal procedure is also examined to some extent.

Mode of study: Lectures and seminars.

Prerequisites: Basic knowledge of international law is required. Students should enroll to the course at least one week before the course starts by sending an e-mail to lawcourseregistration@abo.fi or register in MinPlan.

Target audience: Students of law or international law in their

3rd year or later. Optional specialization course for students taking part in the Master's Degree Programme in International Human Rights Law.

Form of assessment: Written exam with the grading scale 1-5 (50% of the course grade), essay with the grading scale 1-5 (50% of the course grade).

Course literature: A list of readings will be provided during the first lecture. Lecture powerpoints and material distributed during the lectures

### **Comparative Law - Public Law**

**345114.0**

**3 or 4 or 5 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer(s): Markku Suksi, Dr., Professor of Public Law, Åbo Akademi University

Contact: Markku Suksi, markku.suksi@abo.fi

Aim and content: The course aims at providing the students with basic knowledge on methods used in Comparative Law research. The focus will be in their application to public law, especially Constitutional and Administrative Law. European Community Law will also be discussed from a comparative point of view. The course may be expanded to 4 ECTS (requirement: an essay of 5 pages) or to 5 ECTS (requirement: an essay of 10 pages).

Mode of study: Lectures, 10 hours

Prerequisites: Students should enroll to the course at least one week before the course starts by sending an e-mail to lawcourseregistration@abo.fi or register in MinPlan.

Form of assessment: Written examination (3 ECTS) / written examination + essay (in total 4 or 5 ECTS)

Course literature: Handouts and literature will be defined in the beginning of the course.

### **Comparative Law in a Changing World**

**345118.0**

**10 credits**

**(Intermediate)/Advanced level**

**Self-study course**

**Offered: Autumn 2013 and spring 2014**

Contact: Markku Suksi, Dr., Professor of Public Law, Åbo Akademi University, markku.suksi@abo.fi

Aim and content: The course aims at training the participant in the various features of different legal orders with respect to different concepts of comparative law and trends in the evolution of comparative law. Concerning the essay (approximately 10 pages), please contact the responsible teacher right after the exam to agree on the topic of the essay.

Mode of study: No classes; examination and essay based on literature.

Form of assessment: Examination and essay.

Course literature:

1. Peter de Cruz: *Comparative Law in a Changing World* (2007), pp. 1-299, 493-522.
2. Harding & Özücü (eds): *Comparative Law in the 21st Century* (2002), pp. 1-54, 121-136, 193-279.
3. Rogowski & Gawron (eds): *Constitutional Courts in Comparison* (2002), p. 1-16.
4. Legrand & Munday (eds): *Comparative Legal Studies: Traditions and Transitions* (2003).

## LAW AND HUMAN RIGHTS

### **Autonomy and Participation**

**345125.0**

**10 credits**

**Intermediate/Advanced level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

Lecturer(s): Markku Suksi, possible guest lecturers to be named later

Contact: Markku Suksi, markku.suksi@abo.fi

Aim and content: To explore the notion of self-determination especially from the point of view of internal self-determination and to connect it to the notion of (internal) sovereignty. To review the role of elections and referendums in the context of self-determination and autonomy. To study the case of the Åland Islands and other autonomy arrangements as examples of autonomy and self-government.

Mode of study: Lectures, essay and examination.

Prerequisites: Basic knowledge of international human rights law recommended. Restricted entry. The number of participants is limited to 30 students. Students should enroll to the course at least one week before the course starts by sending an e-mail to lawcoursergistration@abo.fi or register in MinPlan.

Target audience: Students of law, international law, international relations or development studies. Optional specialization course for students taking part in Master's Degree Programme in International Human Rights Law. The course is a parallel course in English to course number 345112.0 Ålands självstyrelse (10 sp).

Form of assessment: Written exam and an essay (10-15 pages).

Course literature:

1. Thomas Benedikter, *The World's Working Regional Autonomies - An Introduction and Comparative Analysis*. London, New York & Delhi: Anthem Press, 2007, pp. 9-79, 347-440.
2. Thomas Benedikter (ed.), *Solving Ethnic Conflict through Self-Government - a Short Guide to Autonomy in Europe and South Asia*. Bozen/Bolzano: Eurac, 2009, 134 pages.
3. Markku Suksi, 'Keeping the Lid on the Secession Kettle - a Review of Legal Interpretations concerning Claim5 of Self-Determination by Minority Populations', pp. 189-226 in *International Journal on Minority Rights and Group Rights* 12:2005. 30 pages.
4. Markku Suksi, *Sub-state governance through territorial autonomy: a comparative study in constitutional law of powers, procedures and institutions*. New York: Springer, 2011. Selected literature, conventions and policy documents are provided on the course website and/or in the form of hand-outs.

### **New Trends in Electronic Commerce Law: E-marketplaces and Electronic Trading Systems, Negotiability of Rights and Instruments**

**340125.1**

**2 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013 (2-6 September)**

AIM: This course is aimed at highlighting the areas where electronic commerce law is likely to develop new applications and solutions. After its infancy period, where notions such as electronic document or electronic signature flourished, we are already facing with new challenges posed by complex phenomena and relations, which demand the adaptation of existing rules and principles, and the production of newly devised ones.

CONTENT: The topics to be addressed in this program are:

- The principles of e-commerce law and their evolution

- Main instruments that provide the basis for e-commerce regulation and electronic contracts
  - Legal issues related to online marketing
  - Formation of contracts: from click-agreements to browse-wrap agreements
  - Internet Service Providers: liability-related matters
  - Recommender systems and privacy concerns
  - E-marketplaces and other forms of collaborative commerce in the electronic environment
  - P2P platforms and social networks: legal aspects
  - Alternative trading systems and other electronic platforms in financial markets: problems and regulation
  - Transfer of rights and other assets through electronic means of communication
  - The regulation of electronic negotiable instruments
- The future of the exchange of instruments, assets and rights in electronic markets

LEARNING OUTCOMES:

- To confront the problems that entails concluding and documenting a contract by using electronic means: identification of the parties, manifestation of assent, writing and other form requirements, pre and post contractual exchange of information.
- To gain an insight into how electronic means provide the tools for compliance of contractual obligations: delivery of intangible goods, access to services and contents, and electronic payment methods (electronic money, funds transfers and e-cards).
- To identify a variety of value-added service providers supplying accessibility, visibility or credibility services in the electronic environment. To discover how trust is generated and how operates in electronic transactions (Gatekeepers, Trusted Third Parties and Infomediaries)
- To identify all issues ancillary to the most topical phenomena found in the net: privacy, intellectual property rights, competition, etc.
- To develop the ability of drafting terms of use of a website with different specific purposes: complying with consumer and other laws and regulations, ensuring the valid incorporation of general conditions and the record of consent.

LECTURES:

I.- E-COMMERCE LAW PRINCIPLES AND ELECTRONIC CONTRACTING (DAY 1)

Introduction – Program, assignments and schedule

Session one – Electronic contracting, practical issues and the principles of e-commerce law: an evolutionary (and revolutionary) approach.

Objective: To approach the e-commerce law principles by exploring in the first place the problems and uncertainties that traders and entrepreneurs experienced when using electronic means for businesses in a de-regulated environment.

Basic instruments regulating electronic contracts: model laws, laws and international conventions.

Objective: To examine and distinguish the different layers of regulation in the international context that provide for the recognition and discipline of the use of electronic means with contractual purposes.

Session two – Concluding a contract through electronic means: writing and signature.

Objective: To confront the problems that entails concluding and documenting a contract by using electronic means: identification of the parties, manifestation of assent, writing and other form requirements, pre and post contractual exchange of information, incorporation of standard terms in the electronic environment.

II.- ARCHITECTURES: TERMS OF USE, E-MARKETPLACES, P2P, SOCIAL NETWORKS (DAYS 1 AND 2)

Organizational structures of electronic trading systems and businesses: web-sites, portals and terms of use.

Objective: To comprehend how e-business are structured from a contractual point of view. To have a clear understanding of problems involved in employing terms of use and browse agreements as contracting techniques.

Practical exercise in class (team work) (1 hour and 30 min): Analyzing the structure and the most relevant contents of terms of use of a model of website that will be previously assigned to each group, with different specific purposes: complying with consumer and other laws and regulations, ensuring the valid incorporation of general conditions and the record of consent. New York Times, Google, Amazon, The Huffington Post, Youtube, Flickr, Icelandair, Comments section of any news by The Economist.

E-marketplaces and alternative trading systems.

Objective: To gain an insight into the structure and operation of the most sophisticated contracting environments in the electronic space.

Social networks, P2P models and electronic intermediation.

Objective: To identify all issues ancillary to the most topical phenomena found in the net: privacy, intellectual property rights, competition, etc.

Practical exercise in class (team work) (1 hour): Devising the strategy and basic contents for a code of penalties within an e-Marketplace (for instance E-Bay): breaches, sanctions and legal and operational measures.

III.- BUSINESS STRATEGIES: PERSONALIZATION, RECOMMENDER SYSTEMS AND E-MARKETING (DAY 3)

IV.- PERFORMANCE: DELIVERY OF GOODS, PAYMENT SYSTEMS AND LICENCING (DAY 4)

Performing electronic contracts.

Objective: To study how electronic means provide the tools for compliance of contractual obligations: delivery of intangible goods, access to services and contents, and electronic payment methods (electronic money, funds transfers and e-cards).

V.- TRANSFER OF RIGHTS (DAY 5)

Transfer of rights and other intangible assets through electronic means.

Objective: to address the current use and functionalities of electronic means in the negotiation of intangible assets, such as rights and negotiable instruments (securities, derivatives, etc.).

Comparing models for trading with rights and negotiable instruments in the electronic environment.

Objective: To identify and analyze the different trends of legislators in the establishment of systems for the exchange of negotiable instruments.

Practical exercises to be prepared in class: Constructing an integral model for internationally trading with goods in the electronic universe: the full picture.

ASSESSMENT:

20% attendance and participation and 80% assignments and presentations (in groups). The course will entail the completion of several practical exercises (as specified in the program), consisting of the analysis and drafting of legal documents and other instruments, including laws, forms, partnership and membership agreements, contracts, website's contents, etc.

GRADING SCALE: 1–5

RESPONSIBLE PERSON(S): Professor Hannu Honka

LECTURERS:

Professor Teresa Rodríguez de las Heras Ballell

Professor Manuel Alba Fernandez

Prof. Teresa Rodríguez de las Heras Ballell

Interim Associate Professor of Commercial Law at Carlos III University of Madrid. She has done extensive researching and

teaching in electronic commerce law and related matters, both in Spain and other countries. Her publications address topics that include electronic commerce law principles, e-marketplaces, privacy in electronic contracting and company law and new technologies.

Prof. Manuel Alba Fernandez

Interim Associate Professor of Commercial Law. He has researching experience and publications in the field of electronic commerce, with particular emphasis on electronic transfer of rights and negotiable instruments. He has been involved in the drafting of the new Spanish Commercial Code as regards electronic commerce provisions and Internet Service Providers contracts.

NOTICE: The number of participants is limited to 30 students. Target audience: Students majoring or minoring in commercial law or private law; Bachelor of Laws students; exchange students (Turku Law School)

Registration required: [lawcoursereregistration@abo.fi](mailto:lawcoursereregistration@abo.fi) or MinPlan. For more information, please contact Paula Klami-Wetterstein ([pkلامي@abo.fi](mailto:pkلامي@abo.fi), reception hours Wed 10–12, the "Domvillan" building, Gezeliusgatan 2).

### International Commercial Law

**340109.0**

**10 credits**

**Intermediate level**

**Self-study course**

**Offered: Autumn 2013 and spring 2014**

AIM: The course aims to provide the students with an understanding of legal questions concerning international transactions.

CONTENT: Regulations and principles concerning sales and services; standard documents; European integration concerning trade, arbitration aspects, development and trends in international business law

FORMAT: The course is a self-study course. (However, see: New Trends in Electronic Commerce Law: E-marketplaces and Electronic Trading Systems, Negotiability of Rights and Instruments)

ASSESSMENT: Written exam (the course New Trends in Electronic Commerce Law entails essays and/or practical exercises such as analyzing and drafting of legal instruments)

GRADING SCALE: 1–5

LITERATURE: Murray, Carole et al: Schmitthoff's Export Trade. 12th Edition. London: Sweet & Maxwell 2012. ISBN 978-0-414-04607-8. (N.B. The previous 11th edition can be read instead if the newer one is not available. London: Sweet and Maxwell 2007. ISBN 978-0-421-89280-4.)

Bernstein, H. – Lookofsky, J: Understanding the CISG in Europe. Second Edition. The Hague: Kluwer Law International 2003. ISBN 90-411-8900-9.

N.B. Exceptions apply when the course New Trends in Electronic Commerce Law: E-marketplaces and Electronic Trading Systems, Negotiability of Rights and Instruments, 2 ECTS, has been passed. Details are given in connection with registration.

RESPONSIBLE PERSON(S): Professor Hannu Honka

OTHER LECTURERS:

Professor Teresa Rodríguez de las Heras Ballell

Professor Manuel Alba Fernandez

NOTICE: Registration required: [lawcoursereregistration@abo.fi](mailto:lawcoursereregistration@abo.fi) or MinPlan. For more information, please contact Paula Klami-Wetterstein ([pkلامي@abo.fi](mailto:pkلامي@abo.fi), reception hours Wed 10–12, the "Domvillan" building, Gezeliusgatan 2).

## LAW AND HUMAN RIGHTS

### **Jurisdiction and Conflict of Laws**

**340124.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Spring 2014**

AIM: The course deals with central issues concerning the jurisdiction of courts and the choice of applicable law in international relations. Focus is mainly on the development within the European Union, i.e., the Brussels I-Regulation on jurisdiction and the enforcement of judgments in civil and commercial matters and the Regulations on the law applicable to contractual and non-contractual obligations (Rome I and II). Also international arbitration will be discussed.

CONTENT: EU law and international conventions

LEARNING OUTCOMES: After having completed this course, you should be able to recognise the legal problems arising from international relations, explain the legal norms governing international arbitration and list the main legal rules and principles concerning the jurisdiction of courts and the choice of applicable law in international relations – with particular focus on the so called Brussels I Regulation (Council Regulation No 44/2001 on jurisdiction and the recognition and enforcement of judgments in civil and commercial matters), as well as the Regulations on the law applicable to contractual and non-contractual obligations (Rome I and II). You are also expected to be able to review the measures taken to promote the harmonisation of rules governing jurisdiction and applicable law and discuss the future trends in this area. Furthermore, you should be able to apply your theoretical knowledge gained in the course of lectures and self-studies to practical situations.

ENTRY REQUIREMENTS: Basic studies in commercial and private law

FORMAT: Lectures

ASSESSMENT: Written examination

GRADING SCALE: 1–5

LITERATURE: Handouts

RESPONSIBLE PERSON(S): Prof. Peter Wetterstein

NOTICE: The number of participants is limited to 30 students. Registration required: [lawcourseregistration@abo.fi](mailto:lawcourseregistration@abo.fi) or MinPlan. For more information, please contact Paula Klami-Wetterstein ([pkلامي@abo.fi](mailto:pkلامي@abo.fi), reception hours Wed 10–12, the “Domvillan” building, Gezeliusgatan 2).

### **Law and the Internet**

**340127.0**

**3 credits**

**Intermediate level**

**Self-study course**

**Offered: Autumn 2013 and spring 2014**

Aim and contents: The students learn how the internet has challenged existing legal structures and how existing legal structures can solve problems on the internet. The course covers issues on electronic commerce, virtual law, and questions of liability and cybercrime.

Learning objectives: After having completed this course, you should be able to recognize the legal problems arising from the

internet analyze those problems and explain how existing legal structures can solve problems related to the internet.

Form of teaching: Independent work. Examination based on literature.

Form of examination: Written exam or essay

Target group: Students majoring and minoring in Commercial law or private law; Bachelor of Laws students; exchange

students (Turku Law School).

Literature: 1. Lilian Edwards-Charlotte Waelde (Eds.): *Law and the Internet* (2009), pp. 1-181, 441-575 and 623-670. and 2. Benjamin Duranske: *Virtual Law: Navigating the Legal Landscape of Virtual Worlds* (2008), pp. 1-41. 57-138.

Registration: students should contact [lawcourseregistration@abo.fi](mailto:lawcourseregistration@abo.fi) for more information.

## **Turku Law School**

Turku Law School (TLS) is a cooperative organization involving three units in the two universities in Turku: The Faculty of Law and the Turku School of Economics of the University of Turku (UTU), and the Department of Law of the Åbo Akademi University (ÅA). One of the principle aims of this cooperation is to combine resources of these institutions in order to provide foreign students with a broad range of high quality law courses taught in English. Currently there are more than 30 law courses taught in English on an annual basis. These courses are open to exchange students at Åbo Akademi University, who fulfill course prerequisites.

TLS courses provided by Åbo Akademi University:

<http://www.abo.fi/institution/en/studierrvi>

e-mail: [lawcourseregistration@abo.fi](mailto:lawcourseregistration@abo.fi)

TLS courses provided by the University of Turku, the information will be available in June:

<http://www.utu.fi/en/units/law/studying/turku-law-school/Pages/home.aspx>

e-mail: [tls@utu.fi](mailto:tls@utu.fi)

# Natural Sciences

## Geology

Geology is the science of the Earth's physics, chemistry and history. Geosciences today deal with the interaction between the lithosphere (the solid Earth), the hydrosphere, the biosphere and the atmosphere. Geology and Mineralogy at Åbo Akademi University educate geologists with expertise in bedrock geology and environmental geology. Our research is focused on

- The evolution of the Fennoscandian shield. The Fennoscandian shield is the piece of Earth where we live. The old shield contains a lot of mineralizations why the geological activity is high in the area. For successful exploration of mineral ores, geologists need deep knowledge in the geological history about the area in focus. This is why we do research on the evolution of the Fennoscandian shield.

- Environmental mineralogy. Or "cheap solutions for global problems". Our philosophy is that solutions of anthropogenic environmental damages should be as energy efficient as possible. One way is to use "intelligent" minerals with short carbon track to clean the environment instead of industrial processed chemicals with a long carbon track.

- Environmental geochemistry. Sometimes the natural environment is polluting itself. Like the leakage of heavy metals from acid soils around the Baltic Sea. Our research is to identify polluting leakages to the Baltic Sea, quantify it and create solutions for the problem.

### Petrology III - Magmatic processes

**243022.0**

**5 credits**

**Advanced level**

**Offered: Autumn 2013**

The course can be given in English if there are students requesting it.

Course literature: Hall, Anthony: Igneous petrology (2nd edition), Addison Wesley Publishing Company

### Advanced field course in petrology

**243021.0**

**3 credits**

**Advanced level**

**Offered: Spring 2014**

Form of teaching: Excursion to Brändö, Kumlinge and the mainland of the Åland islands. Description of petrological processes. The course can be given in English if there are students requesting it.

## Mathematics

The main fields of research at the Department of Mathematics of Åbo Akademi University are functional analysis and stochastics. Many courses on the advanced level are on these and related topics. Students attending the advanced courses are usually supposed to have passed at least two years of mathematical studies. All courses on the advanced level can be held in English, if there is a need. Courses for 1st and 2nd year students are held in Swedish but in many cases the textbooks are in English.

The personnel of the department are willing to help English-

speaking students also on the 1st and 2nd year courses but courses on the advanced level are recommended.

Research seminars and post-graduate courses are usually given in English.

### Analysis II

**273001**

**10 credits**

**Advanced undergraduate level**

**Lectures and exercises**

**Offered: Autumn 2013 (Period 1-2)**

Form of teaching: 6 contact hours per week. Weekly exercises

Form of assessment: Homework and written exam

Prerequisites: Analysis and multidimensional analysis

Aim: To introduce the student to the most central parts of the modern abstract mathematics

Contents: The basic notions of functional analysis. We study the most important notions and tools which are used in the modern mathematical literature, such as metric and normed spaces, inner product spaces, limits, continuity, completeness and compactness. We also discuss basic Fourier series and fixed point theorems.

Course literature: Lecture notes will be found on the course web page.

### Statistics with R

**355003.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013 (period 2)**

Form of teaching: Computer class

Form of assessment: Computer assignments

Prerequisites: Introductory mathematics or computer science

Aim: To familiarize participants with the R language for statistical computation

Course literature: Material from the web and parts of Statistical Computing with R by Maria L. Rizzo. Multiple copies of the book are available in the student library.

### Insurance Mathematics I

**273009.0**

**10 credits**

**Advanced undergraduate level**

**Lectured course**

**Offered: Autumn 2013 (Period 1-2)**

Responsible person: Lecturer Margrét Halldórsdóttir

Prerequisites: Calculus, probability theory and some knowledge of basic stochastic processes

Contents: The focus of the course will be on interest rates and funds, life insurance, mortality, multiple state models.

Course literature: To be announced

## Organic Chemistry

The laboratory of organic chemistry offers both undergraduate and graduate courses in organic chemistry. The basic organic chemistry courses are lectured in Swedish but in some cases can also be arranged in English for international students. All enquiries should be directed to the teacher in charge. Some courses in advanced organic chemistry are offered in English and in Swedish. Students are also welcome to do laboratory practice in different research groups. Our current research projects are focused on the development of new methods for organic synthesis, preparation of pharma-

## NATURAL SCIENCES

ceutically interesting compounds, natural product chemistry and environmental organic chemistry. For more information on our courses, please contact the teaching personnel at the laboratory of organic chemistry.

### Organic chemistry III

263203.0

5 credits

Advanced level

Self-study course

Offered: Upon agreement

Lecturer(s): Leif Kronberg

Aim(s): To introduce theoretical organic chemistry for professionals in trade and industry.

Contents: Advanced structure and bonding theory in organic chemistry and electron theory. Reaction mechanisms in organic chemistry. Introduction to stereochemistry. Applications of physical methods in organic chemistry.

Prerequisites: Organic chemistry II (NatVet or KT)

Form of assessment: Examination

Course literature: Organic Chemistry, John McMurry, Brooks/Cole, 1994

### Principles of organic stereochemistry

263209.0

4 credits

Advanced level

Lectures and seminars

Offered: Spring 2013

Lecturer(s): Reko Leino

Aim(s): The course provides the conceptual background to the stereochemistry of organic compounds

Contents: The course provides the conceptual background to the stereochemistry of organic compounds. Properties of enantiomers and racemates in chemical and biological applications as well as spectroscopic and chromatographic methods for their elucidation are discussed together with a short introduction to asymmetric and diastereoselective synthesis.

Prerequisites: Organic Chemistry II (NatVet or KT) or equivalent studies.

Form of assessment: Examination

Course literature: B. Testa, Principles of Organic Stereochemistry, Marcel Dekker, 1979; E. L. Elien, S. H. Wilen, Stereochemistry of Organic Compounds, Wiley, 1993 (selected Chapters).

### Environmental organic chemistry

263212.0

5 credits

Advanced level

Self-study course

Offered: Upon agreement

Contact: Leif Kronberg

Aim(s): To introduce to student to environmental organic chemistry.

Contents: Pollutants, heterocyclic compounds and pharmaceuticals in the environment.

Prerequisites: Organic chemistry II

Form of assessment: Examination

Course literature: R.P. Schwarzenbach, P.M. Gschwend and D.M. Boden Publisher: Title: Environmental Organic Chemistry

### Introduction to research methods in organic chemistry

263205.0

3 credits

Intermediate level

Seminars and laboratory exercises

Offered: Upon agreement

Lecturer(s): Reko Leino

Contents: Introduction to research methods in organic chemistry by participation in an ongoing research project.

Prerequisites: Organic Chemistry II (NatVet), Organic Chemistry II (KT) or equivalent studies

Form of assessment: Practical laboratory work and research report

### The history of chemistry

262201.0

2 credits

Basic/Intermediate/Advanced level

Self-study course

Offered: Upon agreement

Contact: Reko Leino

Aim(s): To introduce the natural sciences and especially the development of chemistry

Contents: Literature.

Form of assessment: Examination

Course literature: The History of Chemistry, J. Hudson, McMillan, 1992

## Physical Chemistry

The main research area of the Laboratory of Physical Chemistry is surface and colloid (nano) chemistry, with a strong focus on materials science. The aim is to accumulate a molecular understanding of processes related to these fields, and to apply this knowledge in biotechnology, pulp and paper technology, as well as in the design of functional materials. Currently the research at the department is focused on four broad areas:

1. Surface science and interfacial phenomena
2. Pharmaceutical materials for cellular targeting and drug delivery
3. Printed functionality: sensors, electronics, energy solutions
4. Quantum chemistry and molecular modeling

The broad spectrum of activities shows that students can benefit of a thorough theoretical and practical education at the department. The degrees from the department are highly appreciated by employers. Basic and intermediate level Physical Chemistry courses are taught in Swedish (for Bachelor's degree). However, for the Master's degree all advanced level courses including laboratory courses are every year offered and supervised in English. Laboratory practice can also be arranged within research groups. Physical Chemistry can be chosen as major subject in Natural Sciences and Chemical Engineering at all levels (BSc, MSc, PhD). For more information see Physical Chemistry web page under Department of Natural Sciences. See also Master's Degree Programme in Chemical Engineering ("Two-year Master's Degree Programmes" in this book or web page). For doctor level studies see National Graduate School of Nanosciences in this book.

### Technical Surface and Colloid Chemistry

263115.1 and 263115.2

5 credits

Intermediate (advanced) level

Lectures and laboratory work

Offered: Autumn 2013

Lecturer: Jouko Peltonen

Aim: To give students an introduction to surface chemistry in interfacial systems and to colloid chemistry in dispersed systems.

Prerequisites: Physical chemistry I, II and laboratory course A, or equivalent courses.

Contents: This course is for MSc-students in the field of (physical) chemistry and consists of lectures and examination. (The 2nd part is connected lab work.) In this course the students are acquainted with the terminology and the methods of surface and colloid chemistry. The course deals with the physico-chemical properties of interfaces, the concepts of surface tension, adsorption, wetting as well as the colloidal state and its stability.

Literature: Shaw, D.J.: Introduction to Colloid and Surface Chemistry, Oxford: Butterworth-Heinemann, 2007.

### **Colloidal Sol-Gel Processing of (Nano) Materials**

**263104.0**

**5 credits**

**Advanced level**

**Lectures and seminars**

**Offered: Autumn 2013**

Lecturers: Jan-Henrik Smått and Pia Sjöberg

Aim: To provide insight into the sol-gel technology, 'bottom-up' synthesis and processing of nanomaterials both from a molecular and colloidal point of view. Emphasis is put on metal-oxide-based nanomaterials regarding both characterisation and selected applications. To supply the student with understanding of the reaction-structure relationship and with tools for tuning the material properties.

Contents: This course is for MSc and PhD-students in chemistry. It deals with the thermodynamic foundation of surface chemistry, disperse systems – their (molecular) interactions, phenomena and size classes. The course covers the Sol-(Gel) definition(s) and relates the SG-chemistry to the final particle structure. Basic analytical approaches for valid material characterisation are taught.

Prerequisites: Technical surface and colloid chemistry, or other equivalent courses.

Literature: Brinker, C.J. and Scherer, G.W.: Sol-Gel Science, Academic Press, 1990

### **Experimental methods in surface and colloid chemistry**

**263105.0**

**4 credits**

**Advanced level**

**Laboratory work**

**Offered: Spring 2014**

Supervisor: Pia Sjöberg

Aim: To give a thorough insight in different available experimental research methods in surface, colloid, and materials chemistry.

Prerequisites: Technical surface and colloid chemistry, Physical chemistry I and II, preferably also Sol-Gel Processing of Nano Materials or other equivalent courses.

Contents: This course is for MSc-students that need deeper insight into the practice of experimental methods applied at the Laboratory.

Literature: Distributed material.

### **Nanomaterials in Energy Technology**

**263121.0**

**5 credits**

**Advanced level, please see prerequisites**

**Lectures and seminars**

**Offered: Spring 2014**

Lecturer: Jan-Henrik Smått and Pia Sjöberg

Aim: The focus of the course is to give insight into the

state-of-the-art nanostructured materials used in various energy production/harvesting and energy storage applications (including photovoltaic cells, water splitting, batteries, supercapacitors, and hydrogen storage). Different synthesis and modification techniques of nanomaterials as well as the most important characterization techniques will be discussed. The links between the design of nanomaterials and the various energy applications will be established based on physicochemical principles.

Prerequisites: Technical surface and colloid chemistry, Physical chemistry I, II and Lab course A, or other equivalent courses.

Contents: This course is for MSc and PhD-students that wants to get acquainted with the nanomaterials applied within energy technology. The course consists of lectures, a seminar and an essay.

Literature: Distributed material.

### **Wetting of ideal surfaces**

**263113.0**

**3 credits**

**Advanced level**

**Lectures and seminars**

**Offered: Spring 2014**

Lecturer: Jouko Peltonen

Aim: The course gives students deeper understanding of the factors which affect wetting on ideal surfaces. To be discussed on the course are interaction forces at interfaces, work of cohesion, adhesion and spreading, the Hamaker constant, experimental methods for determining contact angles, surface energy components as well as dispersive and polar interactions.

Prerequisites: Physical Chemistry I and II and Technical surface and colloid chemistry.

Literature: Distributed material.

### **Dynamic wetting of heterogeneous surfaces**

**263112.0**

**5 credits**

**Advanced level**

**Lectures and seminars**

**Offered: Spring 2014**

Lecturer: Jouko Peltonen

Aim: The course gives students deeper understanding of the factors which affect dynamic wetting on heterogeneous surfaces. Special focus is on dynamic wetting and its dependence on surface charge, roughness and chemical heterogeneity. Specific interactions, adsorption and spreading will be discussed as well.

Prerequisites: Physical Chemistry I and II and Technical surface and colloid chemistry.

Literature: Distributed material.

### **Special Course in Quantum Chemistry**

**263007.0**

**5 credits**

**Advanced level, please see prerequisites**

**Lectures and exercises**

**Offered: Autumn 2013**

Lecturer: Matti Hotokka

Aim: The students will gain a broad and detailed understanding of the methods and techniques in vibrational spectroscopy.

Prerequisites: Basic knowledge of methods in vibrational spectroscopy.

**Molecular Spectroscopy**

263006.0

10 credits

*Advanced level, please see prerequisites*

*Lectures and laboratory work*

**Offered: Spring 2014**

Lecturer: Matti Hotokka

Aim: Introduction to the role of symmetry in optical spectroscopy, theoretical background and instrumentation used in optical spectroscopy.

Prerequisites: Basic knowledge of molecular spectroscopy.

Contents: This course for MSc and PhD students in chemistry and related disciplines. It highlights the role of symmetry in chemistry, specifically in interpretation of molecular spectra. However, the course will also give the students a deep understanding of the basic principles behind the various methods in optical spectroscopy and an insight in the instrumentation and experimental techniques. The transitions in the electron cloud, i.e., UV-vis, fluorescence and photoelectron spectroscopies, as well as vibrational – both IR and Raman - and rotational spectroscopies are covered.

Literature: Hollas, J.M.: Modern Spectroscopy, Wiley, 2004; Printed lecture notes are available in English.

**Scientific writing and literature evaluation**

263099.0

2 credits

*Advanced level*

*Seminars*

**Offered: Spring 2014**

Lecturer: Pia Sjöberg

Aim: To give a short introduction on how to write scientific articles and how to critically evaluate existing literature. The emphasis is put on structuring the text into rational entities.

Contents: This course is primarily for PhD-students and provides a tool in scientific writing. It consists of various discussions, literature evaluation and a personal seminar.

Literature: Distributed material.

# Political Science and Public Administration

The Department of Political Sciences arranges a number of courses in English every year in political science and public administration. The contents and level as well as the number of courses may vary from year to year depending on the lecturers and their fields of research. However, lectured courses and literature studies providing about 30 credits will be offered each year.

For more information about the courses, please see: <http://www.abo.fi/institution/ofcoursesenglish>

Please see also the information about courses taught at the University of Turku within the programme History and Politics of European Integration: <http://www.utu.fi/en/units/soc/units/conthist/unit/hpei/Pages/home.aspx>

**Politics and Administration in Finland: An introduction**

370003.0

**5 credits (Political Science and Public Administration)**

*Basic level*

*Lectured course*

**Offered: Autumn 2013**

Lecturers: Guy-Erik Isaksson and Sam Grönholm (guy-erik.isaksson@abo.fi / sam.gronholm@abo.fi)

Aim(s): The aim of the course is to give the students a basic overview of the political and administrative system on all level of government in Finland.

Contents: 20 h of lectures plus literature studies

- \* Historical overview
- \* Central political institutions
- \* Parties and organizations
- \* Central administration
- \* Local government
- \* Comparative perspectives

Literature: 1. Selovuori Jorma (ed.): Power and bureaucracy in Finland 1809-1998, Helsinki: Edita 1999 (available also in other languages); 2. Council of Europe (2009): Structure and operation of local and regional democracy in Finland. Country report.; 3. Pesonen P and Riihinen O. Dynamic Finland. The political system and the welfare state. Finnish literature society, 2002.

**Political Institutions in the European Union**

370161.0

**5 credits (Public Administration and Political Science)**

*Intermediate level*

*Lectured course*

**Offered: Autumn 2013**

Lecturer: Henrik Serup Christensen (hchriste@abo.fi)

Aim: The European Union today is an important and controversial actor in the system of governance in Europe, and there is simultaneously deep scepticism and great expectations for

the prospects of the union. At the same time, it is a novel and complex political system, which does not fit easily into the traditional concepts within political science. For this reason, there is good reason to examine in more detail how the beast functions. This course introduces how the EU functions. Topics covered are the historical development of the EU; main institutional actors; decision-making in the EU; important policy areas; and future challenges for the EU.

Entry requirements: Open for anyone.

Content: To get 5 credits, you should follow the lectures, read the course literature, and pass a written exam. Communication through Moodle2.

Literature:

1. Bomberg, Elizabeth & Stubb, Alexander (eds) (2003) *The European Union - how does it work?*, Oxford University Press
2. Peterson, John & Shackleton, Michael (2006) *The Institutions of the European Union*, Oxford University Press.
3. Nugent, Neill (2010) *Government and Politics of the European Union*, 7th ed., London: Palgrave MacMillan.
4. Sourander, Dag (2006) *EU-lexikon. Den europeiska integrationen från A till Ö.* (for other languages than Swedish: [http://europa.eu/scadplus/glossary/index\\_en.htm](http://europa.eu/scadplus/glossary/index_en.htm), [http://europa.eu/abc/eurojargon/index\\_en.htm](http://europa.eu/abc/eurojargon/index_en.htm))
5. Collection of articles (available at course start)

### **Policy Processes in the EU – the Case of Environmental Governance**

**370177.0**

**10 credits (Public administration )**

**Advanced level**

**Lectured course**

**Offered: Spring 2014**

Lecturer: NN

Contact person: Marko Joas ([marko.joas@abo.fi](mailto:marko.joas@abo.fi))

Aim: The European Union is a central actor in policy preparation in Europe. The number of policy areas with active EU involvement now numbers more than 35 and includes environment, transport, energy, economic development, and social cohesion. The EU's two flagship policy areas - the Sustainable Development strategy and the Lisbon Agenda - are both seen as catalysts for governance reform across Europe leading to a more dynamic, prosperous and inclusive Union. This course will provide students with a comprehensive and up-to-date understanding of the range of core policy challenges facing the European Union and the ways in which they are being addressed. Students will learn about specific policy measures, examine how policy is conceived, developed and implemented, and what progress is being made by the Union in delivering its key policy objectives.

Mode of study: Lectures (20 h) and readings

Entry requirements: Bachelor degree in relevant subjects and/or intermediate studies in Public Administration

Form of assessment: Essay

Literature:

1. Wallace, H & W Wallace (eds.): *Policy-making in the European Union* (The New European Union series), Oxford University Press - April 2000.
2. Chari, Raj & Kritzing, Sylvia: *Understanding EU Policy Making: National Versus European Sovereignty*. Pluto Press 2006.
3. Weale, A. Pridham, G. Cini, M. Konstadakopoulos, D. Porter, M. Flynn, B.: *Environmental Governance in Europe*. Oxford University Press 2003.

4. Jordan, A (ed): *Environmental Policy in the European Union: Actors, Institutions and Processes*, Earthscan 2002.

5. The Lisbon Agenda. [http://ec.europa.eu/growthandjobs/index\\_en.htm](http://ec.europa.eu/growthandjobs/index_en.htm)

6. Sustainable Development Strategy. [http://ec.europa.eu/sustainable/welcome/index\\_en.htm](http://ec.europa.eu/sustainable/welcome/index_en.htm)

7. European Union Reader comprising: Enlargement: Reports on Turkey, Croatia and Western Balkans can be found on this site. The most important one is Turkey.

[http://ec.europa.eu/enlargement/key\\_documents/reports\\_nov\\_2006\\_en.htm](http://ec.europa.eu/enlargement/key_documents/reports_nov_2006_en.htm)

### **Project Management (Public administration)**

**370xxx.0**

**5 credits (Public administration )**

**Advanced level**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Sam Grönholm

Contact: Marko Joas ([marko.joas@abo.fi](mailto:marko.joas@abo.fi))

Mode of study: Lectures and readings

Entry requirements: Bachelor degree in relevant subjects and/or intermediate studies in Public Administration

Preliminary literature:

1. Eskerod & Lund Jensen, *Project Stakeholder Management* Gower 2013.
2. Lock, *The Essentials of Project Management*, 3rd ed, Gower 2007. OR
3. Lock, *Project Management*, 9th ed., Gower 2007.
4. Müller, *Project Governance*, Gower 2009.

### **Citizens and the State**

**Political Trust and Political Participation in Western Democracies**

**5 credits (Political Science)**

**Intermediate level**

**Offered: Spring 2014**

Lecturer: Dr. Sofie Marien

Centre for Citizenship and Democracy, Katholieke Universiteit Leuven [www.kuleuven/citizenship/marien](http://www.kuleuven/citizenship/marien)

Course description: In most liberal democracies the relation between citizens and the political decision-makers is rapidly being transformed. In several countries, declining levels of party membership and partisanship have been documented, as well as declines in voter turnout. Voters are less loyal to political parties and especially populist and anti-system political parties have gained popularity in recent decades. For some countries, we can also observe a decline in levels of political trust. As a result, various scholars have claimed that we are witnessing a crisis of the democracy. However, other authors are more optimistic about current trends in citizens' attitudes and behaviours. They state we are witnessing the rise of a new generation of "critical citizens", that are not satisfied with the way democracy is currently working but adhere to the basic norms of liberal democracy. This new generation of critical citizens probably will no longer become a member of political parties, but they do participate in various other, more informal forms of politics. The question does remain, however, how these 'new' forms contribute to a real representation of people's interests. While their symbolic importance might be highly relevant, we do not know whether these 'new' forms actually contribute to a further democratization of political decision-making.

In the lectures an overview of the current theoretical debate is discussed, before investigating the empirical arguments that have been brought forward in this debate. Subsequently we also try to determine what could be the consequences of this

transformation for the functioning of Western liberal democracies. The focus of the course is on comparative theories and research. Comparative theories will be discussed as well as methodologies to conduct comparative research.

Course literature: Some of the basic literature used in this course:

Dalton, R. J. (2008) *Citizen politics : public opinion and political parties in advanced industrial democracies*. Washington (D.C.) : CQ press

Dalton, R. J., Farrell, D. & McAllister, I. (2011). *Political Parties and Democratic Linkage*. Oxford: Oxford University Press.

Putnam, R. D. (2000). *Bowling alone. The collapse and revival of American community*. New York: Simon and Schuster.

### **Corruption and Development**

**375113.0**

**5 credits (Political Science)**

**Intermediate level, Web-based course**

**Offered: Spring term 2014, 6 weeks**

Lecturer: PL Catharina Groop

Contact person: PL Catharina Groop

Course description: The report "Our Common Future" by the Brundtland Commission defined sustainable development as "Development that meets the needs of the present without compromising the ability of future generations to meet their own needs". Corruption should be regarded as the antithesis of sustainable development. In a corrupt society, funds are diverted from the development process and channeled into the hands of the few (who often already are well off). As a result, children do not receive the education they are entitled to, the sick do not receive the health care they so badly need, and the economy does not develop, among other things. It goes without saying that such a state of affairs erodes capacities and compromises abilities to achieve short-term as well as long-term development goals. Combating corruption should therefore be a key priority for all actors.

Aim: The course "Corruption and Development" introduces participants to the linkages between corruption and development. Participants are first introduced to corruption as a phenomenon (module 1). The course then proceeds to discussing the consequences of corruption and why corruption should be regarded as a problem in need of solution (module 2). The final module of the course (module 3) introduces participants to tools for combating corruption. At the end of the course students will be conversant with:

- Different definitions of corruption and the implications of choosing one rather than another
- The different faces of corruption in practice
- Tools for measuring corruption and why these often are criticized
- The causes and consequences of corruption
- Linkages between corruption and the likelihood of achieving development goals
- The tools used by countries trying to fight corruption
- The ways in which development partners provide support to anti-corruption efforts

Mode of study: Lectures, self-study, virtual discussions and assignments using the learning platform Moodle as a base  
Entry requirements: The course is targeted at students of political science and public administration but can also be completed by students of other disciplines. All participants should, however, be at least minimally conversant with issues related to development (and aid), either through practical experience, a basic course on development policy or similar.  
Form of assessment: Graded virtual discussions and assignments

### **Comparative Democratisation**

**5 credits (Political science)**

**Intermediate level**

**Offered: tbc**

Aim: This course introduces students to comparative theories about democratic transitions and democratic consolidation. The course begins by evaluating different ways to conceptualise and measure democracy and non-democratic regimes. The course then discusses various theories on democratic transitions and (non)consolidation, such as economic development, elite strategies, political institutions, the 'resource curse' and international influences. Theoretical explanations are discussed together with empirical examples from newly democratised countries and cross-national comparative data. The course aims to give the students a good knowledge of comparative theories on democratisation and the persistence of non-democratic regimes in the world.

Lecturer: Dr Inga Saikkonen

Mode of study: Lectures, readings, seminar discussion

Entry requirements: Basic knowledge in social sciences

Form of assessment: Written exam, active participation

Length: 15h

Readings:

Sörensen, G. (2008) *Democracy and Democratization. Processes and Prospects in a Changing World*, (Westview Press)

Whitehead, L., (2002) *Democratization: Theory and Experience* (Oxford: OUP)

Geddes, B., (2009) 'What Causes Democratization?' Boix, C. & Stokes, S.C., eds., *The Oxford Handbook of Comparative Politics* (Oxford: OUP) Ch. 14.

Levitsky, S. and Way, L.A. (July 2005) 'International Linkage and Democratization', *Journal of Democracy*, 16(3), pp. 20-34

Schedler, Andreas (January 2010), 'Authoritarianism's Last Line of Defense', *Journal of Democracy*, 21 (1), pp. 69-80

### **Self-study courses in Public administration**

The examination in self-study courses is decided by the responsible teacher for each course. As the examiner of the subject, Professor Marko Joas is responsible for a majority of them. Most of the self-study courses is examined by:

A) Written assignment. The student collects the literature for the course and only after that contacts/visits the responsible teacher to discuss and define an essay title. The assignment should mainly be based on course literature but the students can also include external material. The topics/titles are analytical and have to cover a rather large part of the literature. There is no time limit for the task. The expected length of a paper for 10 credits is about 18-25 pages, for 5 credits about 12-20 pages, however, the grading is based on the quality of the paper, not the quantity. This option does not require any registration in advance.

B) As a written examination on some of the general examination days for public administration. The student reads the literature, pre-registers at the latest a week before the examination (in MinPlan or at the department to Marina Hamberg, marina.hamberg@abo.fi). The responsible teacher will define a number of questions for the students to answer with short essay answers within a time limit of 4 hours.

C) Written assignments using Moodle2.

Many of the courses have some readings in Swedish. If the student cannot read Swedish the teacher will try to find corresponding readings in English. This is also a reason for

choosing the assignment instead of the written examination.

For more information or supervision, please contact Professor Marko Joas, marko.joas@abo.fi or the responsible teacher if indicated. Professor Joas has regular visiting, tutoring hours each Thursday at 3 PM or according to appointment.

#### **Environmental Governance at the Local Level**

**370156.0**

**10 credits**

**Intermediate level**

**Self-study course**

#### **The Nonprofit Sector and the Civic Society**

**370159.0**

**10 credits**

**Intermediate level**

**Self-study course**

#### **Regions as Politico-administrative systems**

**370162.0**

**10 credits**

**Intermediate level**

**Self-study course**

Responsible teacher: Siv Sandberg

#### **The Policies of Public Sector Reform**

**370164.0**

**10 credits**

**Intermediate level**

**Self-study course**

Responsible teacher: Siv Sandberg

#### **Local Democracy in Transition**

**370187.0**

**10 credits**

**Intermediate level**

**Self-study course**

#### **Organization Theory II**

**370170.0**

**10 credits**

**Advanced level**

**Self-study course**

#### **The State and the Market**

**370175.0**

**10 credits**

**Advanced level**

**Self-study course**

#### **Multi-level Governance in the Baltic Sea Region**

**370186.0**

**10 credits**

**Advanced level**

**Self-study course**

# Psychology

Around five courses per year are offered for international students within the subject of psychology. Most of the courses are offered jointly together with the University of Turku and take place on either of the two campuses. International students can attend all of these courses irrespectively of arranging university. To sign up for a course, send an email to the amanuensis (Åbo Akademi University) at least one week before the course starts. Most of the courses on offer require basic studies in psychology as a prerequisite. However, there are some exceptions. For course information please see <http://www.abo.fi/institution/psychologyenglish>

#### **Psychopharmacology**

**3 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Hämäläinen

Prerequisites: Neuropsychology/Cognitive psychology (or comparable knowledge)

The course provides basics of the mechanisms of drug and substance effects on central nervous system and of the neurobiology and psychopharmacology of psychic disorders and addictions.

#### **Bilingualism: Cognitive and neural aspects**

**3 credits**

**Intermediate level**

**Lectured course**

**Offered: Spring 2014**

Lecturers: Laine, NN

Prerequisites: Psychology of language or documentation of earlier introductory level studies in psycholinguistics

The aim of the course is to give an overview of how our mind and brain processes language, with emphasis on bilingualism. The lecture topics cover first and second language acquisition, lexical and grammatical aspects of the bilingual language systems, and neuropsychology of bilingualism. Several examples are drawn from research on Finnish-Swedish bilinguals.

#### **Consciousness and brain**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013**

Prerequisite: None

Lecturer: Revonsuo

This course gives an overview of the biological approach to the study of the mind, or cognitive neuroscience. After this course the student will be able to define what cognitive neuroscience is and describe how it relates to other branches of science, especially psychology and neuroscience. The student will also be able to describe the most important methods of cognitive neuroscience and some major lines of research and specific research topics within cognitive neuroscience. Additionally, the course includes a voluntary seminar (3 credits) where the student will focus more deeply on one topic in the study of consciousness, read some original literature on it, write an essay on it and present it for discussion in the seminar group. The seminar will take place only if a minimum of 4 students register for it, and is restricted to a maximum of 20 students. After the seminar, the student will have a deep understanding of several specific research problems in the

## PSYCHOLOGY

study of consciousness.

### **Forensic psychological assessment 1**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014**

Prerequisite: Only for students majoring in psychology or law

Lecturer: Santtila

The aim of the course is to give an overview of forensic psychology and issues related to expert witnesses. The course will end with a mock trial with the students in either the role of an expert or a lawyer. The topics addressed in the mock trial cover the most important types of forensic psychological assessments: forensic psychiatric evaluations, child sexual abuse evaluations, dangerousness assessments and evaluations related to eye witnessing.

### **Introduction to quantitative single-subject research methods**

**2 credits**

**Advanced level (Master's level)**

**Lectured course**

**Offered: Spring 2014**

Lecturers: Matti Laine, Ada Johansson

Prerequisites: participation in the course requires that the student has taken the obligatory undergraduate courses in statistical methods and experimental design.

Aim and contents: In clinical practice, psychologists and speech-language therapists typically work with individuals, and with single subjects one cannot directly apply the traditional group-level study designs and statistical methods. The present introductory course presents quantitative methods that can be used to analyze data from single subjects, either in a cross-sectional assessment or in a longitudinal intervention setup. The examples are drawn mainly from adult neuropsychological cases. The first part will review the logic of the study of specific cognitive impairments (dissociations) in single individuals both for research and for clinical practice, and will provide simple statistical methods to assess the presence of dissociations in test performances both compared to normative data and within the individual. The second part will discuss the role of single-case studies in the development of clinical rehabilitation evidence, review some common single-case intervention designs (ABAB, multiple baseline) and provide some examples for the analysis of results from such intervention designs.

Form of teaching: Lectures (6 h), preparations (6 h), literature reading (15 h) and home assignments (30 h)

Examination: Home assignment

### **Sleep and dreaming **CANCELLED****

**3 credits**

**Intermediate level**

**Lectured course**

**Offered: Spring 2014**

Lecturers: Valli & Kronholm

Prerequisite: Only for students majoring in psychology

Objectives: After the course students will be familiar with various phenomena related to sleep and dreaming, and have an overview of how crucial sleep is to humans.

Content: The course topics include basic sleep physiology, the evolution of sleep, theories on sleep function, and the effects of sleep deprivation. Moreover, the student will learn about the most common sleep disorders. The course also provides

basic knowledge on dreaming, including methods to study dream consciousness and theories on dream function.

For more information about courses in English in psychology in collaboration with the Dept. of Psychology, University of Turku, see: [www.abo.fi/psykologi](http://www.abo.fi/psykologi) (Psychology courses offered in English)

### **Admission to all of the courses:**

Contact amanuensis Yasmin Nyqvist, [ynyqvist@abo.fi](mailto:ynyqvist@abo.fi) if you wish to partake in a course. This must be done at least one week before the course begins.

# Social Sciences

## Sociology

The aim of the Sociological Unit at Åbo Akademi University is to inform students about the sociological approaches and methods that facilitate an understanding and interpretation of the different stratification systems of society - gender, class, age and ethnicity - and how these relate to different types of social behaviour.

We also offer the exchange students to write examinations in English for our self-taught reading courses.

### Swedish-Speaking Finns as a Minority

**380119.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Autumn 2013**

Lecturers: Dr. Catharina Lojander- Visapää, Professor Susan Sundback et al.

Aims and content: The course offers insight in the Finland Swedish minority from a range of sociological perspectives. During the course, research results obtained in the social sciences are presented. The course provides knowledge on the history of the minority position, the demographic developments, migration patterns, bilingualism and the current social and political position of the minority as well as information about organizations in Swedish-speaking Finland. Comparisons are made with other linguistic minorities in Europe

Prerequisites: Basic level of social studies

Target audience: Year 2 upward

Form of assessment: Lectures and group discussions, written assignments

Contact hours: 22 h

Course literature:

McRae, Kenneth. 1997. Conflict and Compromise in Multilingual Societies: Finland. Waterloo, Ontario: Wilfrid Laurier University Press. (Also published in paperback in 1999: Helsinki: Finnish Academy of Science and Letters)

Finnäs, Fjalar; O'Leary, Richard. 2003. Choosing for the Children: The Affiliation of the Children of Minority-Majority Group Inter marriages. *European Sociological Review*, 19 (5): 483-499.

McRae, Kenneth. 2007. Toward language equality: four democracies compared. *International Journal of the Sociology of Language*, Volume 2007, Number 188 (September 2007), pp. 13-34, <http://ejournals.ebsco.com/direct.asp?ArticleID=445DB08F749F30892A0D>

Lojander-Visapää, Catharina. 2008. New Bilingualism in the Bilingual Finnish Context. *Europäisches Journal für Minderheitenfragen*, 2: 109-118.

As introductory reading before the course, students can also read at the brochure: Swedish in Finland - La Finlande suédophone. Available at: <http://www.folktinget.i/pdf/publikationer/SwedishInF.pdf>

### Consumption, Culture & Lifestyle

**5 credits**

**Basic level**

**Lectured course**

**Offered: Spring 2014**

Lecturers: Andreas Häger et al.

Contact hours: 16

Form of assessment: Lectures and group discussions, written assignments.

Target audience: Year 2 upward

Aims and content: The course introduces broad sociological and interdisciplinary perspectives on consumption, culture and lifestyles. The course provides knowledge on a range of phenomena and topics, such as consumption practices, culture consumption, lifestyle choices and subcultures. The course also examines critically the present debate on increasing individualization in late modernity.

Course literature:

Bennett, Andy. 2005. *Culture and Everyday Life*. London: Sage  
Fornäs, Johan; Becker, Karin; Ganetz, Hillevi & Bjurström, Erling. 2007. *Consuming media: communication, shopping and everyday life*. Oxford: Berg

## Women's Studies

The programme in Women's Studies aims at an interdisciplinary approach in its teaching and research. The aim is to give students a broad knowledge of and a familiarity with feminist methodology and theory. The programme includes modules that focus upon Nordic (Scandinavian) women, involving historical perspectives as well as present issues. The fields of research are in cultural and social studies, including science studies. Within the Women's Studies programme most of the teaching is in Swedish but every year some courses are taught also in English. These are mainly on a basic or intermediate level, and can generally be taken both by students who have not taken courses in Women's Studies before and students who have. Familiarity with the basic concepts in feminist theory and research is, however, preferable. Supervision in English can also be arranged individually. In addition to the courses mentioned here, it may in some cases be possible to arrange internship (5 credits) also for exchange students.

### Introduction to Finnish Gender Studies

**385207.0**

**5 credits**

**Basic level**

**Internet course**

**Offered: Autumn 2013**

The course is organised by the Universities of Helsinki and Jyväskylä, and Hilma Network of Gender Studies. Further information is provided by [aino-maija.hiltunen@helsinki.fi](mailto:aino-maija.hiltunen@helsinki.fi).

Prerequisites: None.

Contents: The course centers around seven themes: nationality, normativity, emotions, home and domesticity, consumption and gender, sex and public space, and intersectionality, through which the students will gain an insight into Finnish society, Finnish research on gender and gendered power, normativity, and intersectionality in Finnish context.

Learning outcomes: The students will gain knowledge of the central themes of Women's and Gender Studies with a specific Finnish perspective.

Teaching methods: Introduction to Finnish Gender Studies is an internet based course that is carried out in the Moodle learning environment.

Form of assessment: For each theme the students will read academic texts and other material available in the internet and discuss them in groups in the Moodle learning environment.

Target audience: The course is aimed at the exchange students of women's and gender studies in Universities of Helsinki, Joensuu, Jyväskylä, Lappeenranta, Oulu, Turku and Åbo Akademi

## SOCIAL SCIENCES

### **Nordic Perspectives on Gender, Equality and Welfare**

**385236.0**

**10 credits**

**Intermediate/Advanced level**

**Lectured course**

**Offered: Autumn 2013**

Prerequisites: Basic knowledge of feminist thoughts and concepts

Lecturers: Harriet Silius, et al.

Contents: A generous social welfare state as a foundational element for gender equality is an important part of the self-imaging of the Nordic countries. A state policy, social democratic politics, strong unions and a tradition of equality in education have, no doubt, contributed to the establishment of the so called "Nordic model". Although this is still part of the official rhetoric, feminists, gender researchers and queer theorists have started questioning the explicit and implicit normative aspects of the arrangement. The course outlines the establishment of the Nordic welfare state through politics, state intervention/policy, and ideology, and addresses contemporary critical gender issues. Issues from all the Nordic countries will be discussed. Comparative analysis and transnational perspectives are encouraged throughout the course. Learning outcomes: The course aims to widen the understanding of the welfare state and Nordic feminism by juxtaposing conflicting views on the positive and negative effects of the so called Nordic model. After the course, the student will be able to understand and identify key features of the Nordic welfare state and its historical, political and ideological foundations in relation to gender: work, health, political power, et cetera. Teaching methods: Lectures form the core of the course. Lectures are thematic and active participation will require students to prepare by reading assigned literature in advance. Detailed reading instructions and questions will be provided in a study handbook. Seminars will be arranged around key theoretical texts so that students can bring in different perspectives on the material.

Examination: Students will complete an essay on a theme in connection to the course. The essays can be connected to an area of special interest for the student, or chosen from a number of questions prepared by the teachers.

Students: The students are expected to be 1) advanced students in Women's Studies, or 2) connected to the recently established EGALIS-cooperation between Women's Studies in Åbo and the Université Lumière de Lyon 2, or 3) participants in the Master's Program in Nordic Studies or in other English-speaking ÅA-Master's programmes.

Course literature:

1. Critical studies of gender equalities: Nordic dislocations, dilemmas and contradictions, edited by Eva Magnusson, Malin Rönnblom and Harriet Silius. Gothenburg, Makadam, 2008

2. Gender equality and welfare politics in Scandinavia : The limits of political ambition? Edited by Kari Melby, Christina Carlsson Wetterberg, Anna-Birte Ravn. Bristol, Policy Press, 2008.

3. The Discursive Politics of Gender Equality. Emanuela Lombardo, Petra Meier, Mieke Verloo, Routledge, 2009.

### **Gender, sexuality and violence – intersectional perspectives**

**385115.0**

**10 credits**

**Basic/Intermediate level**

**Lectured course**

**Offered: Spring 2014**

Teacher: Salla Peltonen, MA (salla.peltonen@abo.fi)

Prerequisites: Basic knowledge of feminist thoughts and concepts

Contents and aims: The aim of the course is to discuss and analyse how gender and other hierarchical differences are connected to violence. How do the constructions of femininity and masculinity, hetero- and homosexuality, race and ethnicity, class and age shape experiences and representations of violence? The course focuses on sexual violence, but also other forms of violence and sex trade are discussed. The approaches by feminist research, critical studies on men, and gay and lesbian/queer studies to the issues are introduced. The course includes lectures, discussions in the class and assignments. For each seminar meeting the students read texts and discuss them in groups. The students are also required to write a course journal. An additional option of writing an essay is provided for those who wish to familiarize themselves with a specific theme.

Course literature: Butler, Judith: Undoing gender. Routledge 2004.

### **Internet culture and gender**

**385121.0**

**5 credits**

**Basic/Intermediate level**

**Lectured course**

**Offered: Spring 2014**

Teacher: Ann-Charlotte Palmgren, MA (apalmgre@abo.fi)

Prerequisites: Basic knowledge of feminist thoughts and concepts

Contents: Online participants, like the researchers who study them, present a range of views about the significance of gender online. The aim of the course is to discuss and analyze internet culture, social media and gender from a feminist perspective. Through case studies the course examines how gender, sexuality, femininity and masculinity are constructed online (in for example blogs, social networking sites, (massively multiplayer) online games. Through these case studies, the course will consider how the construction of gender and sexuality is related to questions about normativity and power. Learning outcomes: After completing the course, the student is expected to be able to show that she/he can analyze relationships between gender and internet culture. The student is expected to be able to relate these relationships to normativity, power, time, place and context, and be particularly familiar to cyberfeminism in a Nordic context.

Teaching methods: The course will consist of both lectures and seminars.

Form of assessment: The assessment will consist of assignments throughout the course.

Target audience: The students are expected to be 1. exchange students, 2. undergraduate and graduate students at Åbo Akademi

### **Gender and Development**

**5 credits**

**Intermediate level**

**Internet course**

**Offered: Spring 2014**

The course is organized by the University of Helsinki and the Hilma Network of Gender Studies. Further information is provided by aino-maija.hiltunen@helsinki.fi

Lecturers: Elina Oinas, University lecturer, PhD, docent and Piia Lavila, MA, PhD candidate, Development Studies, Department of Political and Economic Studies, University of Helsinki  
elina.oinas@helsinki.fi, piia.lavila@helsinki.fi

University where the course is based: University of Helsinki  
 Content: The course content offers an outline of debates about gender and gender equality in social sciences and Developments Studies. The historical shifts from Women and/ in Development to Gender and Development will be studied. Major theoretical perspectives within Gender Studies and postcolonial feminist theory are made familiar through a study of texts. One thematic field (health, poverty, education, democracy) will be studied more thoroughly by each student through a case study project.

Learning outcomes: After the course the student has the ability to critically analyze the meaning of gender in the different lines of development thinking and in development co-operation practices. The students can understand and identify differences between various theories on gender, as well as diversities in gender systems in different contexts.  
 Learning methods: Reading, video lectures, on-line discussions in teams, case study.  
 Internet platform to be used: Moodle.  
 The course will run for 8 weeks in total.

### **Feminist theory II** **385107.0**

and

### **Feminist theory III** **385300.0**

**10 credits**

**Intermediate & Advanced level**

**Lectured course**

**Offered: Spring 2014**

Content: Advanced feminist theories.

Aim: To give the student tools to;

- independently define, describe and discuss modern and central perspectives on women's and gender studies.
- understand and make motivated choices between feminist theoretical and research approaches
- critically discuss and reflect on feministic scholarship.
- present the current feminist debate on theoretical knowledge

### **Thematic studies connected to MA thesis** **358308.0**

**10 credits**

**Advanced level**

**Self-study course**

**Offered: Autumn 2013 and spring 2014**

Lecturer: Harriet Silius

Prerequisites: Introductory knowledge of Women's/Gender Studies.

Contents: Thematic course that helps the student to acquaint with earlier research on the specific field of the student's Master's Thesis.

Learning outcomes: The student learns to seek, evaluate and analyse earlier studies and research material that is relevant to the student's Master's Thesis. The student learns to acquire knowledge from a broad range of academic texts, to acquire understanding of key themes in the specific field of the Master's Thesis, and to write an own scientific text in which the student analyses and discusses earlier studies.

Teaching methods: A specific reading list related to the theme of the student's Master's Thesis will be compiled with the teacher. The student writes an essay that includes discussion.

### **Thesis seminar**

**385305.0**

**5+ 5 credits**

**Advanced level**

**Seminar**

**Offered: Autumn 2013 and spring 2014**

Lecturer: Harriet Silius

Prerequisites: Introductory knowledge of Women's/Gender Studies.

Contents: A seminar in which students' own texts are discussed.

Learning outcomes: The student learns to formulate research questions and to conduct an own research process. The student learns to write scientifically, to discuss the students' own and others' texts constructively, to present research questions and arguments both orally and in written form, and to reflect on theoretical, methodological and ethical questions related to scientific research.

Teaching methods: Discussion of the seminar participants' texts, exercises in scientific writing, presentations.

Form of assessment: The student writes a scientific text related to the Master's Thesis.

Target audience: Students who work on their Master's Theses.

Course literature: Decided with the teacher according to the theme of the Master's Thesis. Major theoretical perspectives within Gender Studies and postcolonial feminist theory are made familiar through a study of texts. One thematic field (health, poverty, education, democracy) will be studied more thoroughly by each student through a case study project.

Learning outcomes: After the course the student has the ability to critically analyze the meaning of gender in the different lines of development thinking and in development co-operation practices. The students can understand and identify differences between various theories on gender, as well as diversities in gender systems in different contexts.

Learning methods: Reading, video lectures, on-line discussions in teams, case study. Internet platform to be used: Moodle.

### **Feminist perspectives on equality work** **5 credits**

**Advanced level**

**Offered: Spring 2014**

Teacher: Msc Pauline Hortelano

Literature: TBA

Aim: This course will look into contemporary equality issues and concerns in Finland using intersectionality as a conceptual tool and starting point for analysis. An overview of relevant phenomenon (e.g. migration, social activism), discourses, and debates providing the impetus for equality work will ground the discussions; and various existing approaches to equality work in Finland, the EU and abroad will be studied.

Learning outcomes: At the end of the course, students will be familiarized through readings and discussions with theoretical perspectives and critiques concerning equality work within gender studies and postcolonial feminist theory. They will likewise be exposed to actual practices of equality work and familiarized with its challenges and complexities through short fieldworks in their chosen thematic area/equality issue and organizations.

# Theology

## Church History

Church history as an academic discipline is connected both to theology and history. Church history is concerned with how the Christian faith has developed and has been expressed from the time of Jesus until today, for instance the growth of the Christian church, the development of church institutions, religious leaders, revivalist movements and the Christian mission.

### Christianity and Freedom in African History

**6 credits**

**Intermediate level**

**Self-study course**

Contact: Kim Groop

Aim(s): To give the student a better understanding of the striving for political and religious freedom from an African Church historical perspective.

Form of assessment: Written examination based on literature  
Course literature:

Prozesky (ed.): Christianity amidst Apartheid: Selected Perspectives on the Church in South Africa;

Ranger (ed.): Evangelical Christianity and Democracy in Africa;  
Soothill: Gender, Social Change and Spiritual Power – Charismatic Christianity in Ghana;

Behrend: Alice Lakwena & the Holy Spirits: War in Northern Uganda 1985-97;

Taylor: Primal Vision – Christian Presence amid African Religion;

Olupona & Nyang (eds.): Religious Plurality in Africa;

Miller (ed.): Seeking Peace in Africa – Stories from African Peacemakers;

Spear & Kimambo (eds.): East African Expressions of Christianity;

Smedjebacka: Lutheran Church Autonomy in Northern Tanzania 1940-1963;

Gifford: African Christianity – its Public Role

### The Christian Mission

**541500.0**

**4-10 credits**

**Intermediate level**

**Self-study course**

Contact: Kim Groop

Aim(s): The course focuses on the Christian missionary movement, its history and character as well as encounters between the Christian mission and various cultures and religions.

Form of assessment: Written examination based on literature  
Course literature:

Bosch: Transforming Mission: Paradigm Shifts in Theology of Mission;

Neill: A History of Christian Missions;

Buhlmann: The coming of the Third Church;

Austin: China's Millions: The China Inland Mission and Late Qing Society, 1832-1905;

Hastings: A History of African Christianity;

Hastings: Church and Mission in Modern Africa;

Yates: Christian Mission in the Twentieth Century;

Bevans & Schroeder: Constants in Context – A Theology of Mission for Today;

Sundkler & Steed: A History of the Church in Africa;

Nelson: Readings in Third World Missions;

Bowie, Kirkwood and Ardener (eds.): Women and Missions: Past and Present;

Smith: Women in mission: from the New Testament to today;

Ustorf: Sailing on the Next Tide: Missions, Missiology and the Third Reich.

Nedungatt: Quest for the Historical Thomas Apostle of India - A Re-Reading of the Evidence.

### Church History in an International Perspective

**541400.0**

**4-10 credits**

**Intermediate level**

**Self-study course**

Contact: Ingvar Dahlbacka or Kim Groop

Aim(s): The course focuses on the Christian church around the world. Particular focus will be put on the church's situation and development in a social and cultural context.

Form of assessment: Written examination based on literature  
Course literature:

Imberg: In Quest of Authority: the "Tracts for the Times" and the development of the Tractarian leaders, 1833-1841;

McLeod (ed.): Cambridge History of Christianity: Vol 9, World Christianities, c.1914- c. 2000;

Gilley and Stanley (eds.): Cambridge History of Christianity. Vol. 8, World Christianities, c.1815-c.1914;

Isichei: A History of Christianity in Africa. From Antiquity to the Present;

Moffett: A History of Christianity in Asia Volume II 1500-1900;

Chadwick: A History of Christianity;

Jenkins: The Lost History of Christianity: The Thousand-Year Golden Age of the Church in the Middle East, Africa and Asia.

## New Testament Exegetics

### Psychology and the Bible

**4-6 credits**

**Intermediate level**

**Self-study course**

Contact: Kari Syreeni

Aim(s): To give the student a broad picture of the Bible and biblical interpretation from various psychological perspectives.

Form of assessment: Written examination based on literature.  
Course literature:

J. Harold Ellens & Wayne G. Rollins, Psychology and the Bible: A New Way to Read the Scriptures, 4 volumes, 2004.

Wayne G. Rollins, Soul and Psyche: The Bible in Psychological Perspective, 1999.

James J. DiCenso, The Other Freud: Religion, Culture and Psychoanalysis, 1999.

D. Andrew Kille, Psychological Biblical Criticism, 2001.

W.W. Meissner, The Cultic Origins of Christianity: The Dynamics of Religious Development, 2000.

### The New Testament as Literature

**4-10 credits**

**Intermediate level**

**Self-study course**

Contact: Kari Syreeni

Aim(s): To give an overview of the New Testament mainly from a literary perspective.

Form of assessment: Written examination based on literature.  
Course literature:

Robert Alter & Frank Kermode (eds.), The Literary Guide to the Bible, 1987/1990.

John B. Gabel & Charles B. Wheeler, *The Bible as Literature: An Introduction*, 1986.

Pheme Perkins, *Reading the New Testament: An Introduction*, 1985.

Pheme Perkins, *Introduction to the Synoptic Gospels*, 2007.

David Rhoads & Kari Syreeni (eds.), *Characterization in the Gospels: Reconceiving Narrative Criticism*, 1999/2004.

Kasper Bro Larsen, *Recognizing the Stranger: Recognition Scenes in the Gospel of John*, 2008.

David J. Williams, *Paul's Metaphors: Their Context and Character*, 1999.

Elisabeth Schüssler Fiorenza, *Revelation: A Vision of a Just World*, 1991/1993.

### **Jesus at the Movies**

**4-6 credits**

**Intermediate level**

**Self-study course**

Contact: Kari Syreeni

Aim(s): To give an overview and a number of examples of Jesus films.

Form of assessment: Written examination based on literature, alternatively an oral (audiovisual) presentation.

Course literature:

Adele Reinhartz, *Jesus of Hollywood*, 2007.

Richard Walsh, *Reading the Gospels in the Dark: Portrayals of Jesus in Film*, 2003.

Jeffrey Staley & Richard Walsh, *Jesus, the Gospels and Cinematic Imagination: A Handbook to Jesus on DVD*, 2007.

Paul C. Burns, *Jesus in Twentieth Century Literature, Art, and Movies*, 2007.

W. Barnes Tatum, *Jesus at the Movies: A Guide to the First Hundred Years*, 2004.

Theodore Ziolkowski, *Fictional Transfigurations of Jesus*, 1972. A sample of DVDs.

## **Old Testament Exegetics**

Old Testament exegetics are studied and taught with a broad perspective in the Faculty of Theology: as a historical, religious and literary document within the larger framework of Near Eastern history. Research in the unit is active and internationally oriented. Especially the study of Rewritten Bible (i.e. the post-biblical history of the texts in Judaism, Christianity and Islam) is a growing field of study. The Rewritten Bible Network publishes the scholarly series *Studies in Rewritten Bible* (see <http://www.abo.fi/institution/gejsrb>). Besides the two courses presented here various self study courses with literature in English can be tailored. Contact professor Antti Laato ([alaato@abo.fi](mailto:alaato@abo.fi)) or univ.teacher Pekka Lindqvist ([plindqvist@abo.fi](mailto:plindqvist@abo.fi)).

### **Old Testament as History**

**521100.0**

**4 or 10 credits**

**Intermediate level**

**Self-study course**

Contact: Antti Laato

Aim(s): To give the student a better understanding of the history of Ancient Israel and ability to read the Old Testament critically as a historical source in the light of the extra-biblical material of the ancient Near East.

Content: 1) An overview over the history of Judah and Israel, 2) Old Testament as a historical source, 3) a special self study course on a topic agreed on with the teacher

Form of assessment: Written examination based on the

literature

Course literature:

J. M. Miller & J. H. Hayes: *A History of Ancient Israel and Judah*

B. Halpern; *The First Historians: The Hebrew Bible and History*

L. L. Grabbe (ed.): *Can a History of Israel be Written?*

A. Laato: *Desperately Seeking Israel*, in: T. Eskola & E. Junkkaala (eds.): *From the ancient Sites of Israel* (pp. 119-148)

A. Malamat: *The proto-History of Israel: A Study in Method*, in: C. L. Meyers & M. O'Connor (eds.): *The Word of the Lord Shall go Forth* (pp. 303-313)

+ a special course in agreement with the teacher

### **Old Testament Apocrypha and Jewish**

**Pseudepigrapha**

**522000.0**

**4 or 10 credits**

**Intermediate level**

**Self-study course**

Contact: Antti Laato

Aim(s): To deepen one's knowledge of the non-canonical literature, which on the one hand belongs to the history of reception (of the OT) and on the other hand forms part of the background of the early Judaism and the New Testament.

Content: 1) Old Testament Apocrypha with introductory literature Soggin & Nickelsburg (4 credits), 2) Jewish Pseudepigrapha with introductory literature/essays, ca 600 pages (6 credits)

Form of assessment: Written examination based on the literature

Course literature:

J.A. Soggin: *Introduction to the Old Testament*, pp. 500-547

G.W.E. Nickelsburg: *Jewish Literature between the Bible and the Mishna*

J. H. Charlesworth: *The Old Testament Pseudepigrapha*

## **Judaic Studies**

Judaic studies as a part of the programme of the Theological Faculty is a unique case in Finland. At Åbo Akademi it is possible to choose Judaic studies as a main subject in the masters degree in Theology. The long history of Judaism is explored chronologically and thematically: from pre-Christian centuries to modern thinkers and from basics of theology to phenomena like Jewish-Christian dialogue or antisemitism. The faculty of Theology hosts the largest collection of Judaic studies and primary sources (Talmudic literature etc) in Finland and the library is open for anyone interested in the field. Contact professor Antti Laato ([alaato@abo.fi](mailto:alaato@abo.fi)) or univ.teacher Pekka Lindqvist ([plindqvist@abo.fi](mailto:plindqvist@abo.fi)).

### **Modern Judaism**

**5 or 10 credits**

**Intermediate level**

**Self-study course**

Contact: Pekka Lindqvist

Aim(s): To give the student a better understanding of modern Judaism (1800-) and its different branches as well as to give an insight into the challenges modern Judaism face in modern world.

A 5 credits course gives an introductory overview. Additional literature with a special focus, as agreed with the teacher, can be selected for a 10 credits course.

Form of assessment: Written examination based on the literature

Course literature:

## OTHER COURSES AND PROGRAMMES

J. Neusner: Judaism in Modern Times. An Introduction and Reader  
N. M. Samuelson: An Introduction to Modern Jewish Philosophy  
D. Vital: The Future of the Jews. A People at the Crossroads?  
J. M. Mintz: Hasidic People. A Place in the New World

### **Antisemitism**

**523800.0**

**10 credits**

**Intermediate level**

**Self-study course**

Contact: Pekka Lindqvist

Aim(s): To give the student a broad picture of the long history of antisemitism and its various forms with an emphasis on the Holocaust.

Content: 1) Antisemitism; historical overview and special questions (5 credits), 2) Holocaust (5 credits)

Form of assessment: Written examination based on the literature

Course literature:

J. Parkes: The Conflict of the Church and the Synagogue: A Study in the origins of the antisemitism.

J. Trachtenberg: The Devil and the Jews: The medieval conception of the Jew and its relation to modern antisemitism

A. G. Bostom (ed.): The Legacy of Islamic Antisemitism (partially)

M. Gilbert: The Holocaust. A History of the Jews of Europe during the Second World War

D. Cohn-Sherbock: Understanding the Holocaust: an introduction

J.M. Sanchez: Pius XII and the Holocaust: understanding the controversy

# Other courses and programmes

Exchange students may choose to take courses in the following special programmes or by the following special providers listed in this section.

## **Centre for Lifelong Learning**

The Centre for Lifelong Learning at Åbo Akademi University, is in charge of adult education activities. These take the form of open university studies, continuing education for different occupations, regional projects, seminars and lectures throughout the Swedish-speaking parts of Finland. The Open University is open to all, regardless of age and educational background. Teaching in the Open University always corresponds exactly to the university curriculum. The courses offered are equivalent in standard and quality to university teaching. Open university study consists of evening and weekend teaching. More information about courses in English arranged within the Open university can be found on the Internet at: [www.abo.fi/student/en/englishcourses](http://www.abo.fi/student/en/englishcourses)

## **Environmental Studies**

Environmental Studies is a multidisciplinary subject at Åbo Akademi University. It considers environmental issues with aspects from several subjects. Courses from the following areas are included: Arts, Theology, Humanities, Political sciences, Social sciences, Legal sciences, Economics and Natural Sciences. Environmental Studies is accepted as a subsidiary (minor) subject in most study programmes at Åbo Akademi University. For further information, please contact Sinikka Suomalainen, e-mail: [sinikka.suomalainen@abo.fi](mailto:sinikka.suomalainen@abo.fi)

### **Global Water Resources and Sustainable Development**

**200007.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: October-December 2013, to be confirmed**

Lecturer(s): Gunnar Jacks

Contact: Sinikka Suomalainen

Aim(s) and contents: To get information about the present and future situation regarding freshwater on a global scale. To discuss options for water use to meet the millennium goals. Global water resources and their use, Water pollution, Water conflicts on different levels - interstate - societal, Water and millennium goals - challenges ahead. There will be an emphasis on Asia and Africa where the water situation will be most strained.

Target audience: students from all faculties interested in sustainable development and environmental issues.

Format: Lectures, presentations 21 h

Form of assessment: Lectures and public presentations by the students over a given subject or a subject chosen by themselves.

### Concepts of Sustainability

**200005.0**

**5 credits**

**Basic/Intermediate level**

**Web-based course**

**Offered: October-December 2013, to be confirmed**

Lecturer(s): Sinikka Suomalainen et al.

Contact: Sinikka Suomalainen

Aim(s) and contents: Concepts of sustainable development, processes, indicators, cases. Global, regional and local aspects.

Target audience: students from all faculties interested in sustainable development and environmental issues.

Form of assessment: web-based course, no contact hours.

### Sustainable Water Management: Water use and management

**200008.0**

**5 credits**

**Intermediate/Advanced level**

**Lectured course**

**Offered: Autumn 2013, to be confirmed**

Contact: Sinikka Suomalainen, sinikka.suomalainen@abo.fi

Aim(s) and contents: To give a professional knowledge on the state of the water resources in the Baltic region, their present use and management, and the challenge of creating sustainable water-use in the Baltic Sea drainage area. This part focuses on how water is used. The sectors agriculture, municipal water supply, and industry are treated from both quantitative and qualitative aspects. Practical management options are also presented with several case studies.

Prerequisites: Requirements for successful participation are a basic knowledge of chemistry as well as environmental sciences.

Target audience: The course is of special interest for students with a background in e.g. geology, soil science, environmental engineering and chemistry, hydrology, ecology but other study areas may also be relevant.

Format: (24 h) Studies in a group led by a tutor teacher, lectures, case reports, probably videoconferences

Form of assessment: Paper/Presentation/Examination

Course literature: Sustainable Water Management in the Baltic Sea Basin.

2000. Book 2 Water Use And Management. Ed. L-C Lundin. The Baltic University Programme. 240 p. The book is available free on the internet <http://www.balticuniv.uu.se/swm/books/textbooks.htm> (and also at Åbo Akademi University Library) This course is an advanced course in the Baltic University Programme.

Registrations: to the Open University at <http://www.abo.fi/fc/anmalningsdb/>, by e-mail: opu@abo.fi

### A Sustainable Baltic Region

**200004.0**

**5 credits**

**Basic/Intermediate level**

**Lectured course**

**Offered: Spring 2014, to be confirmed**

Lecturer(s): NN

Contact: Sinikka Suomalainen

Aim(s) and contents: How to develop a sustainable Baltic region. Energy, material flows, sustainable agriculture, forestry

and marine resources, sustainable industrial production and technology, transports, habitation, sustainable economy, ethics and law for sustainability.

Target audience: Students from all faculties interested in sustainable development and environmental issues.

Mode of studies: Lectures, group discussions, probably videoconferences in cooperation with students at universities in the Baltic region and literature studies. The course language is English.

Form of assessment: Active participation, presentations, written examination.

Format: (33 h) Studies in a group, lectures

Course literature: A Sustainable Baltic Region, booklets 1-10. The Baltic University Programme, Uppsala university. Uppsala, 1997 and/or new electronically course material in production by the The Baltic University Programme.

Registrations: to the Open University at <http://www.abo.fi/fc/anmalningsdb/>, by e-mail: opu@abo.fi

This course is an undergraduate course in the Baltic University Programme.

## Baltic University Programme

Baltic University Programme is a network of more than 200 universities and other institutions of higher education in 14 countries around the Baltic Sea in Northern Europe. The Programme focuses on questions of sustainable development, environmental protection and democracy. Baltic University Programme offers university courses at different levels. Some 8000 students study these courses yearly.

The Baltic University Programme functions through 14 National Centres. The centres are responsible for communication and information (web pages etc.). The Centre for Lifelong Learning at Åbo Akademi University functions as the Finnish Programme Centre. The Baltic University Programme courses at Åbo Akademi University are given at the open university (<http://www.abo.fi/public/en/openuniversity>).

Baltic University Programme network is coordinated by a Secretariat at Uppsala University. For more information about the Baltic University Programme please see <http://www.balticuniv.uu.se>, for Finland <http://www.bup.fi>.

For further information please contact:

Sinikka Suomalainen, M.Sc.

Centre for Lifelong Learning

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e-mail: sinikka.suomalainen@abo.fi

### The Baltic University courses 2013-2014:

#### Concepts of Sustainability

**5 credits**

**Web-based course**

**Offered: Autumn 2013**

For course information please see Environmental Studies.

#### Sustainable Water Management: Water use and management

**5 credits**

## OTHER COURSES AND PROGRAMMES

### **Lectured course**

**Offered: Autumn 2013, to be confirmed**

For course information please see Environmental Studies.

### **A Sustainable Baltic Region**

**5 credits**

**Lectured course**

**Offered: Spring 2014**

For course information please see Environmental Studies.

## **Intercultural communication**

Intercultural communication is a minor subject provided by the Faculty of Arts in cooperation with the Open University. The subject deals with how to understand the challenges involved in intercultural encounters, dialogue and communication in various contexts. How can we make communication work or reach a dialogue beyond cultural barriers and stereotypes? What does intercultural competence mean and what does it require from us? How are we as individuals affected by different forms of intercultural mobility?

In addition to the lectured course you can also complete self-study courses. You are welcome to contact the examiner of the subject prof. Peter Nynäs (the department of Comparative religion) and coordinator Pian Åkerlund (Open University).

### **Introduction to Intercultural Communication**

**5 credits**

**Basic level**

**Lectured course/ seminars**

**Offered: tba**

Aim: to provide perspectives on how different cultures affect our way or communication and what concepts and theories we can use in order to better recognize and analyse the relevance of cultural difference.

Entry requirements: none

Literature: In consultation with examiner

### **Self-study courses**

Students who complete self-study courses will get individual supervision in English. Usually, a written examination in some form, or papers/reviews, is included.

### **Cultural encounters and cross-cultural psychology**

**5 credits**

**Basic or intermediate level**

**Self-study**

Teacher: Peter Nynäs

Aim: to provide understanding of psychological perspectives on individual experiences and behaviour related to cultural encounters and intercultural mobility, such as e.g. acculturation processes and culture chock.

Entry requirements: Introduction to Intercultural Communication

Literature: In consultation with examiner

### **Intercultural communication - critical perspectives**

**5 credits**

**Basic or intermediate level**

**Self-study**

Teacher: Peter Nynäs

Aim: to provide a nuanced understanding of intercultural encounters with a particular focus on interpretative dynamics and otherness and from a critical and reflexive perspective within the humanities.

Entry requirements: Introduction to Intercultural Communication

Literature: In consultation with examiner

### **Culture, peace and conflict**

**5 credits**

**Basic or intermediate level**

**Self-study**

Teacher: Peter Nynäs

Aim: to provide an understanding of the role of culture, ethnicity and religion in national and international conflicts and in particular for peace-building processes.

Entry requirements: Introduction to Intercultural Communication

Literature: In consultation with examiner

## **Visual Studies**

In professional life of Today, it is of crucial importance to be able to interpret images, and to understand their context and their significance for both individuals and Society. This kind of knowledge is also a prerequisite for international relations and intercultural communication. In scientific and scholarly work one can benefit from the use of images as source materials, and also from the ability to visualize one's own results. Ever since the Sixties scholars have used the term Visual Literacy, and the aim of the secondary subject *Visuella studier* at ÅAU is to provide the students with knowledge and skills in visual analysis and visual communication.

*The specific aims of the program as a whole (25 ECTS) are: 1) To increase the students' visual literacy through an understanding of psychological aspects of image perception. 2) To provide an introduction into sociological aspects of images and Society. 3) To give an account of different sectors of the interdisciplinary and scientific field of Visual culture. 4) To provide knowledge of skills in visual communication, illustration and visualization of information.*

Visual studies may integrate perspectives from a number of scientific or scholarly disciplines and areas, such as visual culture, psychology, sociology, literary studies, film theory, semiotics, symbol theory, visual anthropology and language studies. At ÅAU, the program in *Visual studies* is coordinated by the *Art History* section. The program is intended primarily for students at bachelor-, master- and post graduate level, and especially for those who use visual sources or tools in their work (e.g. in scientific/scholarly theses and papers).

For more information about the subject and on the courses offered: see our temporary homepage:

[www.abo.fi/student/Content/Document/document/12454](http://www.abo.fi/student/Content/Document/document/12454)

### **Image Perception and Cognition**

**130000.0**

**5 credits**

**Basic level, no prerequisites**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Tarja Peromaa

Contact: Fred Andersson, [franders@abo.fi](mailto:franders@abo.fi)

Aim: The aim of the course is to familiarize the students with the basic issues in the structure and function of the human visual system. Special emphasis is put on current research

findings in visual neuroscience.

Contents: Following the completion of the course, the students are expected to be able to:

- describe the basic neural structure and function of the human visual system from retina to the visual cortex
- understand the active nature of human vision and how incoming visual information is compressed in the system
- describe major behavioral phenomena in spatial and color vision, movement perception, object recognition, and visual attention
- describe some major higher-order visual deficits that have informed us about the structure and function of visual perception

Mode of study: Lectures (16h), online tests (10 h) reading (99 h)

Prerequisites: ---

Target audience: 1. Students registered for the study module *Visuella studier* ("Visual studies") at Åbo Akademi University or for the Master's Degree Program in Biomedical Imaging jointly organised by the Åbo Akademi University and the University of Turku. 2. Other students and exchange students of Åbo Akademi University.

Form of assessment: Final written exam based on the course book.

Course literature: Snowden, Robert et al., "Basic Vision: An introduction to Visual Perception", Oxford University Press 2012, 2nd edition. Chapters 0-11.

### **Visuality and Visualization of Information**

**130023.1**

**5 credits**

**Intermediate level, please see prerequisites**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Fred Andersson et. al.

Contact: Fred Andersson, franders@abo.fi

Aim: The course aims at an historical and interdisciplinary understanding of the emerging field of data visualization, especially as regards medicine and the natural sciences. The student will acquire knowledge of how certain findings of modern psychology and vision science can be practically applied in order to improve the efficiency and accessibility of information visualization. The examination is connected to activities in which students from various disciplines can test their ability to visualize data with which they are familiar. In addition, the student also acquires background knowledge of the historical development of techniques for visualization in the West.

Contents: In the course it is demonstrated how data is transmitted with the aid of different techniques and devices of visualization. It is also shown how certain findings of modern psychology and vision science can be practically applied in order to improve the efficiency and accessibility of visualization. Concepts and notions such as visuality, information, cognition, object recognition and text/image interaction are defined and discussed. The course also includes a basic historical orientation in the history of the scientific image in the West from the Middle ages and onwards.

Mode of study: Lectures (25h), workshop exercises (25 h), reading (75 h)

Prerequisites: Course 130.000.0 (Image Perception and Cognition)

Target audience: 1) Students registered for the study module *Visuella studier* ("Visual studies") at Åbo Akademi University, or for the International Master Program in Bioimaging at Turku University, who have passed the course Image Perception and Cognition (130000.0) at Åbo

Akademi University. 2) Other students and exchange students of Åbo Akademi University.

Form of assessment: Learning portfolio

Course literature: Ware, Colin, "Visual Thinking in Design", Morgan Kaufmann 2008, ISBN/ISSN: 0123708966. Selected scientific papers and handouts by Ware, Wooding and others.

### **Cultural Imagology: An Introduction**

**130024.1 and 130024.2**

**5 and 3 credits**

**Basic level, no prerequisites/ Intermediate level (please see prerequisites)**

**Lectured course**

**Offered: Autumn 2013**

Lecturer: Anthony Johnson

Contact: Fred Andersson, franders@abo.fi

Aim: Because the study of images (and an understanding of ways in which images are constructed) is an essential component in all Humanities Research, the field of Cultural Imagology has been developed as an interdisciplinary service discipline to help

researchers deepen their understanding of the issues behind image studies within their own discipline and to develop a working knowledge of selected theoretical approaches that may be of use to them in the pursuit of their own special research interests. By the end of the course, the student will have developed a working knowledge of the differences between verbal, mental, perceptual, optical and graphic images as well as a number of their social, spatial and temporal applications, and be able to write about them in an academic way.

General skills developed within the course include: critical thinking, problem-solving ability, the ability to work in a multi-modal or multidisciplinary way, the ability to sift out essential information, writing skills, presentation skills.

Contents: Topics covered will include Cultural Imagology – An Overview; National Imagology - The Social Level; Historical Imagology - The Temporal Level; Geographical Imagology - The Spatial Level; The Soundscape; Retrospective: What is an Image?

Mode of study: 16 h of lectures plus literature studies

Prerequisites for MA-students of English: 60 credits (ECTS) of English at university level. Prerequisites for BA-students of English: 25 credits (ECTS) of English at university level. For other students accepted onto the course there are no prerequisites.

Target audience of the 5 credit alternative: Masters, Licentiate and Doctoral level students within the Faculty of Humanities.

Target audience of the 3 credit alternative: Students of Visual Studies, English Language and Literature, Digital Humanities, and Exchange students from all faculties.

Form of assessment: One fifteen-page essay (6000 words) for the 5 credit alternative (130024.1). A course journal (minimum 3000 words) for the 3 credit alternative (130024.2). Adequate preparation (readings and tasks) for and active participation in seminars.

Course literature: Manfred Beller and Joep Leerssen (eds.), *Imagology: The Cultural Construction and Literary Representation of National Characters - A Critical Survey*. Series: *Studia Imagologica*, vol. 13; series editors: Hugo Dyserinck and Joep Leerssen (Amsterdam

and New York: Rodopi, 2007). ISBN 978-90-420-2318-5 + selected literary texts and handouts.

## OTHER COURSES AND PROGRAMMES

### **Applied Cultural Imagology**

**130025.1 and 130025.2**

**5 and 3 credits**

**Intermediate level/Advanced level (please see prerequisites)**

**Lectured course/Independent research exercise**

**Offered: Spring 2014**

Lecturer: Anthony Johnson

Contact: Fred Andersson, franders@abo.fi

Aim: See "Cultural Imagology: An Introduction"

General skills developed within the course: See "Cultural Imagology: An Introduction"

Contents: Dimensions of the Image in Humanistic Research. Relevant Schools and theoretical approaches within Image Studies will be examined and applied in accordance with the needs and interests of participants in the course. But individual sessions are expected to include: Iconology and Imagology; Metaphor and Bodily Movement; Taste and Smell in the Humanities; Reverie and the Poetics of the Image; Image and Identity (The Finland-Swedish Milieu as an Example); along with Presentations I (Cultural / Philosophical focus); Presentations II (Linguistic / Literary focus); Presentations III (Historical / Geographical focus); and Presentations IV (Combined/Alternative focus)

Mode of study: 16 hours of seminars, literature studies

Prerequisites for MA students of English: 60 credits (ECTS) of English at university level. Prerequisites for BA students of English: 25 credits (ECTS) of English at university level. For other students accepted onto the course there are no prerequisites.

Target audience, 5 credit alternative: Masters, Licentiate, and Doctoral students within the Faculty of Humanities or Students interested in pursuing the new Digital Humanities options. Target audience, 3 credit alternative: Students of Visual Studies, English Language and Literature, Digital Humanities, and Exchange students from all faculties.

Form of assessment: A 20-minute oral presentation and one ten-page essay (4000 words), adequate preparation (readings and tasks) for and active participation in seminars (5 credit alternative, 130024.1). A 20-minute oral presentation and a course journal (minimum 3000 words), adequate preparation (readings and tasks) for and active participation in all seminars (3 credit alternative, 130024.2).

Course literature: Manfred Beller and Joep Leerssen (eds.), *Imagology: The Cultural Construction and Literary Representation of National Characters - A Critical Survey*. Series: *Studia Imagologica*, vol. 13; series editors: Hugo Dyserinck and Joep Leerssen (Amsterdam and New York: Rodopi, 2007). ISBN 978-90-420-2318-5 + selected literary texts and handouts.

# Language courses

Only a **limited number of language courses** (Swedish and Finnish) are available for exchange students. Language courses are offered by the Language Centre at Åbo Akademi University, The Open University and the Swedish adult education centre ("Arbis"). For Erasmus-students two EILC-courses in Swedish (basic level) are offered in August.

## ***EILC Erasmus Intensive Language Course in Swedish at Åbo Akademi University, 1-23 August 2013***

The EILC courses are open to students participating in the Erasmus-programme. All Erasmus students coming to study at a university in Finland can apply to take part in the EILC-courses in Swedish given in August at Åbo Akademi University. The courses are beginner's courses in Swedish (5 credits). In addition to language teaching and training, the courses offer a varied cultural programme and a number of excursions to places of interest.

Applications should be submitted via the student's home university to CIMO (eilc@cimo.fi). For more information please see the following websites:

[http://ec.europa.eu/education/index\\_en.htm](http://ec.europa.eu/education/index_en.htm)

[www.abo.fi/exchange](http://www.abo.fi/exchange)

or e-mail [international@abo.fi](mailto:international@abo.fi)

*Please note that we can only offer a small number of places on the language courses offered during the term which is why we recommend that Erasmus-students interested in learning Swedish should apply to take on the EILC-course.*

## **Centre for Language and Communication**

Centre for Language and Communication provides language teaching for students at Åbo Akademi University. Language competence is considered a key component of any degree here. Each department has its own requirements concerning language competence and the Language Centre offers courses to meet these requirements and generally improve language skills. Language courses in Swedish and Finnish are available for exchange students. Swedish and Finnish language courses for international students are initially taught in English.

Address:

Fabriksgatan 2

FI-20500 Åbo, Finland

Phone: +358 (0)2 215 4365 (office)

+358 (0)2 215 4389 (director)

Fax: +358 2 215 4807

E-mail: [csk-direktor@abo.fi](mailto:csk-direktor@abo.fi) or [csk-kansli@abo.fi](mailto:csk-kansli@abo.fi)

[www.abo.fi/csk](http://www.abo.fi/csk)

### **Swedish as a Foreign Language, level 1 5 credits**

***Offered: Autumn 2013, Spring 2014***

***If you wish to take a language course at the Centre for language and Communication this must be indicated in the learning agreement/study plan, and you must attach a short motivational letter to the learning agreement/study plan, explaining the reasons why you wish to take the language course.***

**Aim(s):** The course gives the students a basic knowledge of the Swedish language. Participants learn to understand and use Swedish in everyday situations such as obtaining information about public services, making telephone calls and in their social circles. They also learn to read and write short texts on familiar themes, and to write and speak in simple terms about their immediate social environment and surroundings. **Contents:** Students are familiarised with the Swedish language and learn something about everyday life in both Finland and Sweden. They learn to describe situations both in the home and outside the home, and when out shopping. They also talk about health matters and the weather. Participants learn the basic of grammar (nouns, conjugations of adjectives, verb tenses, pronouns, numerals, and word order in main clauses). The language is practised both in written form and in communicative situations, such as, pair dialogues and interviews. Language practice also takes place in the language laboratory. **Course literature:** Althén et al. Mål 1

Course books can be purchased at the office of Centre for Language and Communication.

**Level:** A1 according to the Common European Framework of References for Language.

**Target audience:** Primarily students at Åbo Akademi University.

**Prerequisites:** No previous knowledge required.

**Participants min/max:** 10/20

**Contact hours:** In class (56 h), independent work (74 h)

**Examination participation rights:** Active participation (75 %) and successful completion of assignments

### **Swedish as a Foreign Language, level 2 5 credits**

***Offered: Autumn 2013, Spring 2014***

***If you wish to take a language course at the Centre for language and Communication this must be indicated in the learning agreement/study plan, and you must attach a short motivational letter to the learning agreement/study plan, explaining the reasons why you wish to take the language course.***

**Aim(s):** The course gives the students the possibility to further improve their language abilities after participating in "Swedish as a foreign language, Level 1". Participants learn to understand Swedish in various everyday situations and partake in short informal discussions and obtain a functional everyday working vocabulary, as well as being able to write somewhat longer cohesive texts. The course participants learn to read and understand longer, more demanding texts.

**Contents:** The course is a direct continuation of Swedish as a Foreign Language, Level 1. Participants are further acquainted with everyday life and celebrations in Sweden and Finland; practise talking about housing, jobs and feelings. Some traditions and festivals are discussed. Participants write personal letters, compose messages, and short stories about familiar situations and events. Grammar points are revised and extended to include comparative and superlative adjectives, indirect speech, more verb tenses, and word order in subordinate clauses. All the course work is practiced in written and

## LANGUAGE COURSES

spoken communication exercises.

Course literature: Althén et al. Mål 2

Course books can be purchased at the office of the Centre for Language and Communication

Level: A1–A2 according to the Common European Framework of References for Language

Target audience: Primarily students at Åbo Akademi University.

Prerequisites: Completed Swedish as a foreign language, Level 1 with grade 2 or higher or equivalent knowledge.

Participants min/max: 10/20

Contact hours: In class (56h), independent work (74h)

Examination participation rights: Active participation (75 %) and successful completion of assignments

### Swedish as a Foreign Language, level 3

**5 credits**

**Offered: Autumn 2013**

***If you wish to take a language course at Centre for Language and Communication this must be indicated in the learning agreement/study plan, and you must attach a short motivational letter to the learning agreement/study plan, explaining the reasons why you wish to take the language course.***

Registration: Through MinPlan: [www.abo.fi/minplan](http://www.abo.fi/minplan)

Aim(s): The course gives the students the possibility of further improving and extending their language skills after having completed Swedish 2 as a foreign language. The students learn to write syntactically more demanding texts, and are also offered the opportunity to practise their oral skills in the form of discussions about current topics or personal subjects. Students are also expected to be able to use authentic material in Swedish, such as newspaper articles and similar texts.

Contents: Students write texts based on a given title or in the form of a review. The students are also given the opportunity to practise oral language skills through class discussions, and discussions in small groups. Text material is often taken from newspapers or the Internet, so that the students can work with current matters. The teaching language is Swedish. Grammatical structures are dealt with according to the wishes or needs of the group.

Level: A2-B1 according to the Common European Framework of References for Language

Target audience: Primarily students at Åbo Akademi University.

Prerequisites: Completed Swedish as a foreign language, Level 2 with grade 2 or higher or equivalent knowledge.

Participants min/max: 8/20

Contact hours: In class (56h), independent work (74h)

Examination participation rights: Active participation (75%) and successful completion of assignments

### Finnish as a Foreign Language, introduction course

**2 credits**

**Offered: Autumn 2013, period 1 and spring 2014, period 3.**

***If you wish to take a language course at Centre for Language and Communication this must be indicated in the learning agreement/study plan, and you must attach a short motivational letter to the learning agreement/study plan, explaining the reasons why you wish to take the language course.***

The course is the first half of Finnish as a Foreign Language, level 1 (see below).

Aim(s): To give students basic knowledge of the Finnish language. They learn to understand and cope with different everyday situations in Finnish. The course concentrates on practical language use; grammar is discussed to a lesser

extent.

Contents: During the lectures, students learn useful everyday phrases in different situations and the main features of pronunciation, grammar and vocabulary are discussed. The language is practised mainly in communication in various pair and small group work but also in different writing assignments. The course also includes simple reading and listening comprehensions.

Level: A1 according to the Common European Framework of References for Language.

Target audience: Students at Åbo Akademi University.

Prerequisites: No previous knowledge required.

Participants min/max: 10/20

Course literature: Gehring-Heinzmann, Suomen mestari 1. Suomen kielen oppikirja aikuisille. 2011. FINN LECTURA.

Format: In class (28h), independent work (24h)

Examination participation rights: Active participation (75 %) and successful completion of assignments

### Finnish as a Foreign Language, level 1

**5 credits**

**Offered: Autumn 2013, Spring 2014**

***If you wish to take a language course at Centre for Language and Communication this must be indicated in the learning agreement/study plan, and you must attach a short motivational letter to the learning agreement/study plan, explaining the reasons why you wish to take the language course.***

Aim(s): To give students basic knowledge of the Finnish language in order to be able to understand some spoken and written Finnish and to become familiar with the basics of Finnish grammar.

Contents: During the lectures, basic grammar will be taught and various tasks will be practised both in pairs and as group work. Pronunciation exercises, listening comprehension exercises, communication exercises and small number of writing tasks are included.

Level: A1 according to the Common European Framework of References for Language.

Target audience: Students at Åbo Akademi University.

Prerequisites: No previous knowledge required.

Participants min/max: 10/20

Course literature: Gehring-Heinzmann, Suomen mestari 1. Suomen kielen oppikirja aikuisille. 2011. FINN LECTURA.

Format: In class (56h), independent work (74h)

Examination participation rights: Active participation (75 %) and successful completion of assignments

## The Open University

The Åbo Akademi University Open University annually offers basic courses in Swedish or Finnish. For general information please see: [www.abo.fi/student/en/englishcourses](http://www.abo.fi/student/en/englishcourses)

### Language courses at the Open University

[www.abo.fi/student/sprakkomm](http://www.abo.fi/student/sprakkomm)

The courses are intended for adult students. No previous knowledge of the subject or previous degree or academic studies are required, but a good demand of English is needed. (Exception: language courses on intermediate and advanced level)

Register for the courses on the web <https://web.abo.fi/fc/annalningsdb/> or phone Susann Brännkärr, 02-215 4666 or Sanna Lillbroända-Annala, 02-215 3281.

An e-mail of confirmation is sent out around 7 days before the

course starts (adult students have priority to these courses).

Fees: The courses are free for all exchange students at Åbo Akademi and the University of Turku and for undergraduates at Åbo Akademi. Others pay a fee of 50 €/term € to the Open University.

If you register for a course but change your mind about participating in it you must cancel your registration no later than three (3) working days before the course is due to start, or else you will have to pay an annulment fine of € 20.00.

Undergraduate students at Åbo Akademi University are exempt from the Open University fee, but not from the annulment fine!

### **Swedish as a Foreign Language, level 1** **909970.0**

**5 credits**

**Offered: 23.9-2.12.2013.**

**Mondays 17.00-18.30 and Wednesdays 17.00-19.30**

**Registration: not later than 16.9.2013 on the web: <http://www.abo.fi/fc/anmalningsdb/>**

Lecturer: FM Jane Wingren

Venue: The Centre for Lifelong Learning at Åbo Akademi

Aim and contents: The course gives the students a basic knowledge of the Swedish language. Participants learn to understand and use Swedish in everyday situations such as obtaining information about public services, making telephone calls and in their social circles. They also learn to read and write short texts on familiar themes, and to write and speak in simple terms about their immediate social environment and surroundings.

Students are familiarized with the Swedish language and learn something about everyday life in both Finland and Sweden. They learn to describe situations both in the home and outside the home, and when out shopping. Participants learn the basics of grammar (nouns, conjugations of adjectives, verb tenses, pronouns, numerals, and word order). The language is practiced both in written form and in communicative situations, such as pair dialogues and interviews. Language practice also takes place in the language studio.

Level A1 according to the Common European Framework of References for Language

Student work: Contact teaching (56.00h), Other work (74.00h)

Examination qualifications: Active participation (75% attendance)

Examination: Written and oral examination, tests, active attendance (min. 75%)

Course book: Althén, Ballardini, Stjärnlöf, Viberg: Mål 1

Previous knowledge: No previous knowledge required

### **Finnish as a Foreign Language, level 2** **902680.0**

**5 credits**

**Offered: 20.1-31.3.2014.**

**Mondays 17.15-18.45 and Wednesdays 17.15-19.30**

**Registration: not later than 13.1.2014 on the web: <http://www.abo.fi/fc/anmalningsdb/>**

Lecturer: FM Teemu Pesonen

Venue: The Centre for Lifelong Learning at Åbo Akademi

Aim and contents: To give students further knowledge after "Finnish as a Foreign Language, level 1". Students can understand sentences and frequently used expressions related to areas of immediate relevance.

The course is a direct continuation of Finnish As a Foreign Language, level 1. Students will learn more about grammatical features and vocabulary and communication skills will be improved. During the classes grammatical features are extended

and practised, we do reading and listening comprehensions and practise language both in communication and in writing. Various written assignments will be done both at home and in class. Discussion in pairs or small groups is also included. Finnish culture is also introduced and discussed.

Level A1-A2 according to the Common European Framework of References for Language

Student work: Contact teaching (56.00h), Other work (74.00h)

Examination qualifications: Active participation (75% attendance)

Examination: Written and oral examination, tests, active attendance (min. 75%)

Course book: Gehring-Heinzmann: Suomen mestari 1

Previous knowledge: Finnish as a Foreign Language, level 1 with grade 2 or higher or equivalent knowledge

## **Swedish adult education centre ("Arbis")**

The Swedish adult education centre offers Swedish language courses from beginners' to intermediate level for immigrants and foreigners. For some of the courses the teaching language is English, and for some the teaching language is Finnish. Students can receive 5 credits by passing the examination given at Åbo Akademi University after having completed the course. Information about the courses will be available in the Course schedules which will be published at [www.abo.fi/exchange](http://www.abo.fi/exchange) in mid-August.

**LANGUAGE COURSES**

# **Course information 2013-2014**

Courses at the  
Vasa Campus

# Education

## Vasa Campus

Courses in English for education majors can be combined with literature studies and practice. Accordingly, the 5 credit teacher training practice for teacher students at the Åbo Akademi University - Vasa campus is offered in English for grades 1-6 and pre-school, and also for grades 7-9. These modules provide practice in addition to theory, helping students develop their professional skills.

The training practice can be focused on subjects or areas of interest for the student, for example music, mathematics, language training, etc. The teacher-training school is a part of the Faculty of Education.

## Language and didactics

### Teaching Content through English (TCE)

**641112.0**

**3 credits**

**Intermediate level**

**Lectured course**

**Offered: Spring 2014**

Lecturers: Mikaela Björklund, Anna-Britta Slotte, Heimo Oksanen

Prerequisites: Sufficient knowledge of English is desirable. The course is completed in connection to practice periods at the Vasa Teacher Training School (VTTS)

Contents: To provide a historical perspective and theoretical basis for CLIL and immersion

- To familiarize students with some methods, techniques and materials used within CLIL-programmes

- To develop students' ability to use English/a foreign language as the medium of instruction in different subjects taught at primary school level (pupils 7-12 years old)

Learning objectives: After completing the course the students will:

Have knowledge of research and theory concerning content and language integrated education (CLIL) and language immersion as well as the differences between these two forms of education.

Be acquainted with methods and techniques for CLIL.

Have knowledge of different types of teaching materials and sources for information as well as an ability of using these.

Be prepared for using the English language for teaching different subjects in primary school as well as for social communication in and outside the classroom.

The course includes presentation of research, theories, methods and techniques for content and language, integrated teaching and language immersion as well as literature on these themes.

At the VTTS methods used at the English Department are presented to the students. The students are expected to complete course tasks, participate in group discussions (and complete teaching practice at the VTTS).

Assessment: Active participation, presentation of written papers, (and successful teaching practice at VTTS).

Literature:

Baker, C. (1996). *Foundations of Bilingual Education and Bilingualism*. Clevedon: Multilingual Matters. (Chapters 6, 9,

10, 12, 19)

Nixon, J. (2001). Integrating the teaching of language with the teaching of content. In R. Ferm & P. Malmberg (eds.). *Språkboken: En antologi om språkundervisning och språkinläring*. Stockholm: Myndigheten för skolutveckling/Liber distribution. 225-234.

Sjöholm, K. & Björklund, M. (Eds.) (1999). *Content and Language Integrated Learning. Teachers' and Teacher Educators' Experiences of English Medium Teaching*. Vasa: Åbo Akademi University, Faculty of Education. 15-119.

Reference Literature:

Beatens Beardsmore, H. (ed.). (1993). *European Models of Bilingual Education and Bilingualism*. Clevedon: Multilingual Matters.

Baker, C. & Prys Jones, S. (eds.). (1998). *Encyclopedia of Bilingualism and Bilingual Education*. Clevedon: Multilingual Matters.

Krueger, M. & Ryan, F. (Eds.) (1993). *Language and Content: Discipline- and content-based approaches to language study*. Lexington, MA: Heath.

Padilla, A.M., Fairchild, H.H. & Valdez, C.M. (Eds.) (1990). *Foreign Language Education: Issues and Strategies*. Newbury Park, CA: SAGE.

Räsänen, A. (2001). Integrating Content and Language in FL-medium Instruction. In Kimonen, E. (Ed.) (1999). *Curriculum Approaches*. Jyväskylä: University of Jyväskylä. 197-213.

Furthermore:

Immersion Teaching Strategies Observation Checklist (<http://carla.acad.umn.edu/checklist.html>)

Hett Stoff. *Finlandssvensk Pedagogisk Tidsskrift*. Nr 3/2003. (Tema: Språk och kultur)

A selection of Master's thesis written on the theme at the Faculty of Education

### The Cultural Dimension in FL Education

**642130.4**

**5 credits**

**Intermediate/Advanced level**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Liselott Forsman and Marina Bendtsen

Aims: Student teachers expand their knowledge of aspects primarily related to British and American culture and realia, but also to other English-speaking parts of the world.

Student teachers know what aspects to consider when integrating the cultural dimension in FL education: aims (cognitive, affective, behavioral/skills); methods; choice of suitable contents; how to apply existing materials.

Students are able to critically discuss contents of course literature.

Student teachers practice their English language skills.

Literature:

Doyé, Peter (1999). *The Intercultural Dimension. Foreign Language Education in the Primary School*. Berlin: Cornelsen Verlag.

Selected articles provided by the lecturer.

Assessment: Active participation in presentations and discussions of selected topics primarily related to British and American culture and realia.

Exercises, e.g. analyzing textbooks and different activities, incl. the use of films and TV-series in FL education.

A sequence of three lessons to be planned, presented, discussed and handed in. Active participation in text seminars: readings, presentations and discussions of selected texts.

# Teacher Education

## Motivation and Learning

**641001.1**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: September-October 2013**

Lecturer: Ann-Sofi Loo

Contents: The aim of this course is to shed light on the following topics: the relation between teacher and student in various learning situations, the importance of motivation in learning, current theories of learning in different learning situations.

Learning objectives: The student should after completing the course, be able to describe what learning entails, what effects learning and how students learn, along with what motivation is, its prerequisites, and how the teacher can influence motivation. The student should also be able to understand the importance of a well-functioning student-teacher relationship. Assessment: Active participation, a written examination, and completed assignments.

Literature:

Biehler, R. F. (1997). *Psychology applied to Teaching*. (8 e.d.). Boston: Houghton Mifflin.

Additional literature will be presented in the beginning of the course.

## Learning Disabilities I

**620001.3**

**5 credits**

**Basic level**

**Lectured course**

**Offered: Spring 2014**

Lecturer: Johan Korhonen

Aim: The aim of the course is to give students basic knowledge of learning difficulties in language and mathematics.

Contents:

- Mathematical development, reading development
- Mathematical learning difficulties and reading difficulties (definitions, prevalence rates, underlying causes).
- Screening and identification of learning difficulties in school.
- Intervention and instruction for pupils struggling with mathematics and reading.

Literature:

Berch, D.B. & Mazzocco, M. (ed.) (2007). *Why is math so hard for some children?: the nature and origins of mathematical learning difficulties and disabilities*. Baltimore: Paul Brooks Pub.

Snowling, M. (2000). *Dyslexia*. Oxford: Blackwell.

Assesment: Examination

## Pedagogical Leadership and Human Relations

**631406.0**

**5 credits**

**Advanced level**

**Lectured course**

**Offered: Spring 2014**

Lecturers: Siv Saarukka, Christian Tigerstedt

Learning objectives: The aim of the course is to provide knowledge of the educational leadership. This includes different leadership theories and styles. The course also prepares students to critically read about educational leadership. 30 hours of lectures.

Assessments: Active participation in lessons, assignments and discussions.

Literature:

Muldford, W. (2004). *Educational Leadership for Organiza-*

*tional Learning and Improved Students Outcomes*. Boston: Kluwer Academic Publishers

Wallace, M. Poulson, L. (2003). *Learning to Read Critically in Educational Leadership and Management*. London: Sage Thousand Oaks.

## Teaching Practice

**641001.7**

**5 credits**

**Intermediate level**

**Supervised teaching practice**

**Time: Autumn 2013 and spring 2014**

Lecturer/Contact person: Heimo Oksanen

Teacher students have the possibility to do teaching practice in Vasa. The teaching practice takes place in Vasa Teacher Training School (VTTS), which is located only a block from the university. The exchange students are recommended to take part in the Basic Practice (Grundläggande praktik). This practice period can be designed according to personal needs and the extent is 5 credits. The practice period is graded as a pass or fail. For other grading please contact the International office before the practice.

It is also possible to take part in other practice periods but these periods have to be arranged according to the actual situation in the teacher training school. In these cases you should discuss the requirements with the university and the advising teacher at VTTS.

The advising teacher is responsible for giving information beforehand to the student in case of risk for failing the practice period (preferably extra support is given through advising sessions and tutoring). If required the student completes supplementary practice after the practice period in question. The grade fail means that the complete period must be renewed. The student documents, analyses and evaluates each practice period in a report. The requirements for the reports must be met in all aspects.

Assessment summary:

The student:

- participates in school work all day
- participates in advising sessions
- plans and executes individually, in pairs or in a small group at least 10 exercises (pre-school-6)
- observes (7-9) and participates in evaluation discussions
- prepares for and participates in three theme discussions
- hands in the practice passport

# Sports/ Physical Education

## Winter Sports, Snow and Ice

**641113.0**

**2 credits**

**Intermediate level**

**Lectured course with winter sports activities**

**Offered: January-March 2014**

Lecturer: Jan-Erik Romar

Learning objectives: The aim of the course is to present different winter sports to exchange students. Participants get to try sports combined with snow and ice, as cross-country, skiing, ice-skating and downhill skiing. Equipment for the different sports will be rented and therefore the participants are asked to be prepared for covering the rental costs. The course will be planned in cooperation between the students and the lectures.

## EDUCATION

Assessment: Participation in the activities included in the course.

### **A Sports/Physical education**

**640001.2**

**5 credits**

**Intermediate level**

**Lectured course with physical education activities**

**Offered: Autumn 2013 and possibly spring 2014**

Lecturers: Jan-Erik Romar, Marita Eklund

Learning objectives: The aim of the course is to develop the ability and competence for individually instructing school class in physical education.

Different activities for physical education are presented depending on the season of the year, e.g. ball-games, ice-skating, gymnastics, orienteering, and dance.

Assessment: Active participation in classes, a written examination and independent assignments.

## **Adult education**

### **Introduction to adult education**

**5 credits**

**Basic level**

**Lectured course**

**Offered: Autumn 2013**

Teacher: PeM, Doktorand Annika Turunen

Dates: October 2013 (Tuesdays and Thursdays evenings, 5 times)

Purposes and content:

To give the student a view of adult education as a scientific field, its central premises and concepts and current specializations and research themes. The student will also be acquainted with a number of themes of relevance for further development of current challenges for adult education as a scientific field and field of praxis in a late-modern information society.

Adult education as a scientific field, conceptions of adult education, adulthood, gender and identity, adult learning and the different contexts of learning, life-long learning in an individual and policy perspective, adult education in Finland, the Finnish adult education organizations and their activities, participation in different forms of adult education and civic activity and engagement of adults.

Learning objectives:

After being approved the students are expected to be able to: Identify and describe the characteristics of adult education as a scientific field, the different forms of life-long learning and the institutional development of adult education Exemplify and discuss the conditions and criterions of adult learning in formal, non-formal and in-formal contexts Understand and argue on valid scientific grounds for the relevance of an adult educational perspective

Literature (selected articles):

Field, J. & Leicester, M. (eds.) (2000). Lifelong Learning. Education Across the Lifespan. Florence: Taylor & Francis

Foley, G. (ed.) (2004). Dimensions of Adult Learning. Adult Education and Training in a Global Era. Berkshire: McGraw-Hill Professional Publishing

Merriam, S. (ed.) (2010). Third Update on Adult Learning Theory: New Directions for Adult and Continuing Education. Hoboken: Jossey-Bass

Risto Rinne, Anja Heikkinen & Petri Salo (eds.). (2007). Adult education ? liberty, fraternity equality? Nordic views on lifelong learning Helsinki: Finnish Educational Research Association

### **Learning and teaching on individual and group level**

**632001.2**

**5 credits**

**Basic level**

**Self-study course**

**Offered: Autumn 2013**

Lecturer: Petri Salo

This course, Learning and teaching on an individual and group level, consists of four assignments dealing with adult learning from the theory and practice point of view, adult (biographical) life experiences within the framework of adult education, adult teaching in general and teaching adults literacy in particular. The length of each essay is about 900-1000 word (in total about 3500-4000 words).

The topics:

- Towards a comprehensive theory of adult learning
- Adult learners' experiences of education and conception of good teaching
- Adult learning from a personal biography point of view
- Teaching adults literacy

Literature: The literature for the course consists of a selection of five articles, but you are also encouraged to find and use literature beyond the chosen articles (e.g. adult education handbooks, reports etc. in the library) as well as material on the Internet. When writing the essays you should document the references you have used within the text (e.g. Knowles 1974, p. 12) as well as in a list of references after each essay.

### **Forms of and organizations within adult education**

**632001.3**

**5 credits**

**Basic level**

**Self-study course**

**Offered: October-December 2013**

Lecturer: Petri Salo

Aim: The aim of this course is to be acquainted with the different forms of adult education and the organizations within adult education (mainly in Finland). The three assignments deal with overall forms of adult education, some of the Finnish adult education organizations and participation in adult education. The length of each essay is about 900-1000 words (in total about 3500-4000 words).

The topics:

- Forms of adult education
- Providers, organizations within adult education
- Participation in adult education

Literature: The literature/material for the course consists of a selection of five reports. You are also encouraged to find and relate to material on, for example the Finnish adult education organizations, on the Internet. When writing the essays you should document the references you have used within the text (e.g. Knowles 1974, p. 12) as well as in a list of references after each essay.

## Cross-cultural education

### Aggressive Behavior

703151.0

5 credits

Basic/Intermediate level

Self-study course

Literature studies in agreement with professor

### Child Abuse and Domestic Violence in a cross-cultural Perspective

705708.0

5 credits

Advanced level

Self-study course

Offered: March-May 2014

Lecturer: Karin Österman

Learning objectives: Provide knowledge about child abuse and domestic violence in different cultures.

Course literature: Miller, A.: Thou shalt not be aware. London: Guernsey Press: 1985

Gosselin, D. K.: Heavy hands: An introduction to the crimes of family violence. Boston: Prentice Hall. 4th ed. 2010

### Conflict Studies: Theories & Models

705712.0

5 credits

Intermediate level

Lectured course

Offered: October-December 2013

Lecturer: Douglas Fry

Content: The theories of conflict relate both to interpersonal and intergroup conflicts. The processes of escalation, stalemate, and settlement will be considered. Models such as the dual concern model of approaches to conflict will be examined. The influences of cultural beliefs and value systems on conflict will be investigated. The work of seminal theorists such as Morton Dutsch, Dean Pruitt, Jeffrey Rubin, Donald Black, Charles Osgood, Mufsafer Sherif, Ervin Staub, Ronald Fisher, William Ury and others will be considered.

Learning objectives: After the course the student should have acquired basic knowledge on how to from an organization/authority perspective plan the cooperation with mass media in a crisis situation, on how journalists work during crisis, on the main legislative issues connected to mass media reporting during crises, and what research can tell us on possible impact of crisis reporting on victims and the public.

Literature: Simpson, R & Cote, W. (2006). Covering violence. Columbia University Press.

### Conflict Resolution in a cross-cultural Perspective

703140.0

5 credits

Intermediate level

Self-study course

Offered: March-May 2014

Lecturer: Karin Österman

Aims: The course provides information about how conflicts are resolved in various tribal societies as well as in nations all over the world. Both extremely peaceful and aggressive societies are covered.

Learning objectives: Knowledge about how conflicts are resolved in various tribal societies as well as in nations all over the world.

## Social Sciences

### Developmental Psychology

#### Literature Seminars in Developmental Psychology

703221.0

5 credits

Intermediate level

Seminars

Offered: Autumn 2013 and spring 2014

Lecturer: Kaj Björkqvist, Karin Österman

Contents: Through these seminars exchange students may complete one or more courses from the Developmental Psychology study program. In the seminars literature is presented and discussed and essays are written and evaluated.

The students participate in seminars in which literature is presented and discussed, and essays written and evaluated.

The seminar is a way for international students to select freely among courses that usually are provided in Swedish within the Developmental Psychology program. In this way, the international students may pass one or more courses in the form of literature studies and essay writing.

Assessment: Participation in seminars, literature studies and essays.

#### Introduction to Health Psychology

5 credits

Basic level

Lectured course

Offered: Autumn 2013 or Spring 2014 (tbc)

Aims:

1. To understand and be able to identify the foundations of health psychology
2. To acquire basic knowledge regarding the theoretical models and research methods used within health psychology
3. To comprehend the applied aspect of health psychology which aims at promoting health and preventing illness
4. To understand the interaction between psychological, biological, behavioural and social factors with regard to health and illness

Contents:

1. What is health psychology?
2. Models and theories within health psychology
3. Health promoting and risk engaging behaviours
  - a. Smoking
  - b. Alcohol consumption
  - c. Diet and exercise
  - d. Sexual risk behaviour
  - e. Screening
4. Stress
5. Pain
6. Illness cognitions
7. Effective communication with patients
8. Health inequalities
9. Health and personality

Literature:

Abrahams, C., Conner, M., Jones, F. & O'Connor, D. (2008). Health Psychology: Topics in Applied Psychology. London: Hodder Education.

Conner, M. & Norman, P. (eds.) (2005). Predicting Health Behaviour (2nd edition). Berkshire: Open University press.

## EDUCATION

Morrison, V. & Bennett, P. (2009). *An Introduction to Health Psychology* (2nd edition). London: Pearson Publishing.

Ogden, J. (2007). *Health Psychology: A Text Book* (4th edition). Berkshire: Open University press.

# Peace and Conflict Resolution

Exchange students can, to a limited extent, participate in the following courses of the Master programme in Peace and Conflict resolution:

### **Introduction to Peace and conflict studies I**

**705901.0**

**5 credits**

**Basic level**

**Lectured course**

**Offered: Autumn 2013**

The course includes lectures on topics such as:

- 1) Old and new trends in peace and conflict research
- 2) Peace and conflict research as a critical movement
- 3) Security studies and peace and conflict research
- 4) Environmental security
- 5) International peace building
- 6) Gender in crisis management
- 7) Nationalism, identity and ethnic conflicts
- 8) Social evolution, cultural encounters and conflict analysis

Learning objectives: After the course the student is able to describe in general terms the field of peace and conflict studies and research and knows its different traditions and orientations. The student is familiar with the research performed in peace and conflict studies and can describe its main new trends, themes and domains. In addition, the student knows the basic issues to be analysed within the specialization modules of the PEACE programme.

The course is held in Tampere at the University of Tampere, but offered via video link to the students of the Master's programme in peace, mediation and conflict research at Åbo Akademi University in Vasa.

### **Introduction to Peace and Conflict studies II**

**705902.0**

**5 credits**

**Basic level**

**Lectured course**

**Offered: Autumn 2013**

Course content and associated goals include:

- 1) increasing awareness of the dimensions and social contexts of conflict situations through the comparison of institutions in various cultures and nations
- 2) examining and analyzing a range of conflict resolution practices, conflict prevention strategies, and peace-building, peacekeeping, and reconciliation techniques, and
- 3) gaining an understanding of the options available for dealing with conflict within and among nations and at the global level.

Learning objectives: By the end of this course, students will have gained an overview of conflict resolution as applied at the inter-individual level, within social institutions such as schools and neighborhoods, between nations, and at the global level. Students will gain an understanding of how conflict resolution styles can be learned and taught through socialization processes as well as through explicit training of skills and techniques. Students will become cognizant of key

concepts and terms related to international and global conflict resolution, for example, collective security, security studies, peacekeeping, peace activism, universal human rights, international organization, world governance, and NGOs. Finally, students will gain an understanding of the linkage and interrelationships between peace and sustainable development, alleviation of poverty, economics, access to justice, and participatory government.

### **Research methods: negotiation and mediation**

**705904.0**

**5 credits**

**Basic/Intermediate level**

**Lectured course**

**Offered: Autumn 2013**

Contents: Negotiations as an instrument of diplomacy and an element of dialog and an international communication. Psychology of negotiations: negotiation styles, personality and competencies of negotiators, negotiating parties and actors. Planning and managing negotiations. Successful negotiations. Negotiation techniques. Case studies of negotiations: international and family negotiations.

Learning objectives: Ability to recognize negotiation styles, examine and indicate pitfalls of negotiations. Ability to plan and manage simple negotiation cases. Knowledge of basic negotiation techniques.

### **Conflict studies: Strategies and Practices**

**705936.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: Spring 2014**

Contents: The aim of the course is to provide a closer examination of conflict resolution strategies and practices as well as antecedents of different strategies.

Learning objectives: Learning objectives for the course include familiarization with different kinds of conflict strategies as well as awareness of one's own preferred conflict resolution style. Through lectures and movies students are introduced to historical and modern conflict management practices and through role-play and group discussion students evaluate strengths and weaknesses of different conflict strategies. After completion of course student should also be able to identify social, cultural and psychological antecedents for conflict strategies and styles.

### **Peacemaking and Reconciliation**

**705941.0**

**5 credits**

**Intermediate level**

**Lectured course**

**Offered: tba**

Contents: The course includes a consideration of peace movements, diplomacy, negotiation, disarmament and arms control. Students will learn about global interdependence and the importance of international cooperation to address issues of common security and human security in the 21st century. Students will consider and learn about negative peace and positive peace. The student will come to understand the importance of religion, interdependence, disarmament, and nonviolence to peacekeeping and reconciliation. The student will gain an appreciation of the broader principles of peacemaking, peacekeeping, and reconciliation as well as gain knowledge about particular case studies in these areas. Learning objectives: By the end of the course the student

will be familiar with the major approaches to peacemaking, peacekeeping, and reconciliation.

## Other courses

### Vasa Campus

#### Finnish Culture and Society

703020.0

5 credits

Basic level

Lectured course

Offered: October-December 2013

The course will be offered provided that financing is granted.

Lecturer: Douglas Fry

Learning objectives: This course provides an introduction to Finnish culture and custom. It examines core values such as self-reliance, equality (including gender equality), privacy, appreciation of nature, honesty, and education and also considers how these core values are expressed in social institutions and practices. The course also explores family life and sex roles, the significance of the sauna in Finnish culture, and how the Finns view themselves. The course is geared toward offering international students insights into Finnish culture, values, institutions, and behaviour that may contribute to their understanding of Finnish society.

Assessment: Active participation and completing given assignments.

#### The Swedish-Speaking Finns from a Water Perspective

705225.0

5 credits

Basic level

Lectured course with guided excursions

Offered: September-October 2013

The course will be offered provided that financing is granted.

Lecturers: Kjell Herbets, Jan-Erik Romar, Edith Wilick

Learning objectives: The course will deal with a various aspects of Swedish-Finnish minority of the Bothnic region. Participants should learn to understand the sociological, demographic, historic and cultural issues related to the Finnish Swedish minority. The students will get to know the implications of the minority status in the present society.

The course will partly take place in the UNESCO World Heritage of Kvarken letting the participants try canoeing, fishing, Finnish food culture in practice and theory and experiencing archipelago.

Assessment: Lectures, web-based assignments and excursions. Assignments and portfolios will be expected for the remaining credits according to agreement with examiner.

## Language courses

### Vasa Campus

#### Survival Swedish

933001.0

2 credits

Basic level (for beginners)

Offered: September-October 2013 and January-March 2014

Lecturers: Ella Enbacka, Kristina Granstedt-Ketola

Learning objectives: The course is intended for exchange students as a beginners' course presenting Swedish grammar and vocabulary for everyday life, especially training the ability of oral communication.

Assessment: Written examination at the end of the course.

#### Swedish as a Foreign Language (A1)

933318.0

5 credits

Level: A1

Offered: Spring 2014

Lecturer: Kristina Granstedt-Ketola

Learning objectives: Swedish as a Foreign Language II is a follow-up course to Swedish as a Foreign Language I and is offered according to the Common European Framework of References for Language. The aim of the course is to continue to introduce students to spoken Swedish through using Swedish in everyday situations. Swedish as a Foreign Language II is a multi-modal course consisting of lectures and exercises as well as self-study material on the Internet. **Note that as an Erasmus-student you are also able to apply to the EILC-course in August in Åbo.**

#### Survival Finnish

933300.0

2 credits

Basic level (for beginners)

Offered: September-October 2013 and January-March 2014

Lecturers: Anja Sjöholm (Autumn) and Kristina Granstedt-Ketola (Spring)

Learning objectives: The course is intended for exchange students as a beginners' course presenting Finnish grammar and vocabulary for everyday life, especially training the ability of oral communication.

Assessment: Written examination at the end of the course.

#### Special Course in English

930203.0

5 credits

Intermediate/ Advanced level

Offered: September-October 2013 and January-March 2014

Lecturer: Marianne Liljeström

Learning objectives: Courses are organized for students in education, developmental psychology, social and caring sciences. The aim of the course is to further develop the linguistic competence for the specific area of study. The focus is set on written and spoken language and the management of the terminology of the study field. The course includes lectures, exercise, individual presentations and literature reading.

Assessment: Active participation, various assignments and a written examination at the end of the course.

# Two-year Master's Programmes taught in English

Åbo Akademi University is committed to research and research-based education of the highest quality. The following International Master's Programmes are taught in English:

- Master's Degree Programme in Chemical Engineering
- Master's Degree Programme in Electronic and Mobile Commerce
- Master's Degree Programme in Embedded Computing
- Master's Degree Programme in Biomedical Imaging
- Master's Degree Programme in International Human Rights Law
- Master's Programme in Peace, Mediation and Conflict Research
- Master's Programme in Computer Engineering/Software Engineering
- Master's Programme in Computer Science

## Requirements for admission

There are both academic and language requirements for admission. An applicant must meet both of these in order to be eligible for admission.

For general information about the application procedure to the two-year Master's degree programmes taught in English please see [www.abo.fi/master](http://www.abo.fi/master).

## Master's Degree Programme in Chemical Engineering

Finnish industry, research and education have long traditions and experience in many areas of chemical engineering. This Master's degree programme provides a unique opportunity to learn chemical engineering in a personal atmosphere and to take part in the future development in this area.

All eleven laboratories at the Department of Chemical Engineering participate and offer a broad basis for the three specialisation topics:

- Process Chemistry
- Process Systems Engineering
- Natural Materials Technology

These topics are relevant for work in the chemical and process industries as well as in research. Special attention is currently paid to the development of sustainable, environmentally

friendly processes and products, including topics such as waste minimization, biofuels, energy efficiency and chemicals from nature.

Upon completion of the two-year programme students receive the degree Master of Science Technology (in Swedish diplomingenjörsexamen). Graduates have a good opportunity to continue with postgraduate studies, as the department is very active in postgraduate education through research. For instance, it coordinates the national Graduate School in Chemical Engineering.

## Study Environment

In the degree programme, theoretical studies, through lectures with individual or group assignments, are combined with practical and applied work in adequately equipped laboratories. The studies are done under close personal guidance of teachers and professors. The students study in an international atmosphere together with domestic students as well as international exchange students from many countries.

## Trivia

The Process Chemistry Centre (PCC) is a research group at the Department of Chemical Engineering. It studies detailed physico-chemical processes in complex environments of industrial interest to find novel solutions to industrial processes and products. The PCC has a worldwide network of researchers and industrial companies. Since its founding in 1998 it has twice been appointed National Centre of Excellence by the Academy of Finland, most recently for the years 2006-2011. The 2008 Markus Wallenberg prize was awarded to one of the professors of the programme, Professor emeritus Bjarne Holmbom at the Wood and Paper Chemistry laboratory, who is also an executive board member of the PCC. The award is regarded highly and given in recognition of high-standard research of special significance and international relevance. The Optimization and Systems Engineering (OSE) group has been appointed a Center of Excellence within research at the Åbo Akademi University during 2010-2014. The research focuses on theory, methods and algorithms in systems engineering, optimization and statistics, and their applications in science and engineering. Design, logistic and operational issues in industrial production are engineering applications of main interest. The OSE group is coordinated by the Process Design and Systems Engineering Laboratory.

For more information about the programme, please see: <http://www.abo.fi/chemeng>, E-mail: [chemeng@abo.fi](mailto:chemeng@abo.fi)

## Master's Degree Programme in Electronic and Mobile Commerce

The Master's Degree Programme in Electronic and Mobile Commerce (EMC Programme) is comprehensive and up-to-date with the latest research knowledge in information systems in general, and electronic and mobile commerce in particular.

The studies combine subject areas in business economics and management science with mobile service design and e-commerce theory and practice. Students will acquire professional skills in planning, developing, building, and implementing electronic and mobile commerce products and services, and solutions for successful business operations.

These are skills which are in great demand in multinational companies worldwide. The programme offers an excellent basis for a management and business career in the modern digital economy.

The successful completion of this two-year full-time programme results in the award of a Master of Science degree in Economics and Business Administration.

The EMC Programme is offered by the Department of Information Technologies and builds on research at the Institute for Advanced Management Systems Research (IAMSR). IAMSR is a research institute that carries out its research program in interaction with the Finnish industry. The research program on mobile commerce and mobile value services has been running since 1999. It builds currently on cooperation both with a dozen of Finnish companies and a network of research groups at TU Delft, the Netherlands, University of Trento, Italy and City University, Hong Kong. IAMSR is also a member of the eBEREA network of six European and seven Chinese universities focusing on electronic and mobile commerce.

#### Structure of the Programme

The main module of the programme is 25 cr in Advanced Studies in Information Systems. Within that, the core courses are Electronic Commerce (5 cr) and Mobile Value Services (5 cr). The 25 cr Minor is either in Innovation and Entrepreneurship or selected Basic and Intermediate Level courses in Information Systems. In addition to the mandatory courses in Philosophy, Academic Writing and Swedish, it is possible to take 15 cr free optional studies. The Master's Thesis work (35 cr) is preceded by the Advanced Seminar in Information Systems (7 cr).

#### Study Environment

The Department of Information Technologies is situated in the Turku Science Park, in the ICT building, where research groups and academic programmes meet, interact and collaborate with ICT companies. The EMC Programme is offered by the Information Systems group within the Department of Information Technologies, in close collaboration with the Institute for Advanced Management Systems Research (IAMSR).

#### Admission Requirements

A completed university level Bachelor's degree in Business Administration or in Economic Sciences with Information Systems is required for admission. Eligible applicants are selected on the basis of how well the bachelor's degree corresponds to the programme and on the study merits of the student. There is no entrance examination. Admission is granted on the basis of the application. Applicants to the EMC programme will have to prove their knowledge of the English language.

For more information about the programme, please see: <http://www.abo.fi/emc>, E-mail: [mobile-commerce@abo.fi](mailto:mobile-commerce@abo.fi)

## Master's Degree Programme in Embedded Computing

This two year programme is designed to prepare its graduates for the challenging design tasks in the Embedded Systems Industry and leads to a Master of Science in Technology degree (in Swedish diplomingenjör). After graduating students will have both a good understanding of theoretical issues for

starting PhD studies, as well as practical competences for a successful career as a designer in industry.

Throughout this programme the students may acquire the following skills:

- Clear understanding of the theoretical backgrounds in real-time processing, computing theory, system architecture, distributed systems, control and signal processing
- A thorough understanding of optimisation, evaluation and verification process in embedded system design
- Knowledge in complex systems design methodologies
- Developing good communication and team-work skills in a multicultural and multilingual environment
- Understanding and applying basic notions of project management

#### Study Environment

The Master's Degree Programme in Embedded Computing is provided by the Department of Information Technologies at Åbo Akademi University.

The Department of Information Technologies is located in the Turku Science Park, in the ICT building, where research groups and academic programmes meet, interact and collaborate with ICT companies. The study facilities are brand-new and equipped with the latest technology. This programme is coordinated by the Embedded Systems Laboratory which does research and education on the practice and theory of embedded and automation systems. A central vision of the laboratory is to contribute to the development of solutions for improving the energy-efficiency of systems, both traditional ICT systems (mobile, Green-ICT), as well as automation systems for energy production.

#### Cooperation

The Master's Degree Programme in Embedded Computing is offered by both Åbo Akademi University and the University of Turku. The programme at Åbo Akademi University focuses more on software aspects related to embedded computing, while the programme at the University of Turku focuses more on hardware aspects. Both programmes contain courses given by Åbo Akademi University and the University of Turku. Through this arrangement students can benefit from the facilities and infrastructure of both universities in the same contemporary building in the heart of the Turku Science Park.

#### Structure of the Programme

The Master's Degree Programme in Embedded has a duration of two academic years and accounts for 120 ECTS. The studies consists of the following modules:(a) the advanced module I (20 ECTS) with mandatory courses in Real-Time Systems, Programming Embedded Systems, Many-core Programming and HDL Based Design, (b) the advanced module II (30 ECTS) with mandatory as well as selectable courses in embedded computing, (c) a mandatory minor subject in Innovation and Entrepreneurship, (d) the Master's Thesis (30 ECTS), (d) a mandatory language course (5 ECTS), and (e) free optional studies (15 ECTS).

## TWO-YEAR MASTER'S PROGRAMMES TAUGHT IN ENGLISH

### *Admission requirements*

A completed university level Bachelor's degree in Computer Science or Computer Engineering is required for admission. Eligible applicants are selected on the basis of how well the bachelor's degree corresponds to the programme and on the study merits of the student.

Because each education institution offers slightly different study programs we do not require a specific list of courses from the applicants. However, we expect that applicants have passed courses in these areas:

- Mathematics, including discrete mathematics and algebra.
- Programming courses, especially courses in C/C++ programming
- Basic courses on digital design, and processor architecture
- Basic courses such as algorithms and data structures, operating
- Systems, computer networks and protocols.
- An introductory course to software projects, analysis and design course(s), and a project or laboratory course involving development of a non-trivial project.

For more information about the programme, please see: <http://www.abo.fi/ec>, E-mail: [embeddedcomputing@abo.fi](mailto:embeddedcomputing@abo.fi)

## **Master's Degree Programme in International Human Rights Law**

The Institute for Human Rights and the Department of Law at Åbo Akademi University offer a Master's Degree Programme in International Human Rights Law. The programme is designed to prepare its graduates for challenging human rights careers in international organizations, non-governmental organizations and public administration. It will also provide the requisite background for advanced human rights law research. Successful completion of this two-year full-time programme results in the award of a Master of Social Sciences (M. Soc. Sc.) degree. The programme was launched in 2006. The Programme Director is Ms. Catarina Krause (Deputy Director of the Institute for Human Rights).

### *Structure of the programme*

The programme consists of the following modules: (a) compulsory human rights law courses, including a research seminar and a master's thesis in international human rights law; (b) compulsory language studies, and; (c) optional courses, which may include courses offered by the two universities in Turku/Åbo within Turku Law School as well as courses offered by Nordic and international partner universities.

For human rights courses in English offered by the Institute for Human Rights, please see "Institute for Human Rights" in this publication and <https://www.abo.fi/student/en/studyprogrammes>. The human rights courses are taught by Åbo Akademi University staff as well as invited international experts. The participants of the Master's Degree Programme have a possibility to take part in the intensive human rights courses offered by the Institute for Human Rights except courses aimed at doctoral students.

### *Study environment*

The Institute for Human Rights has a lively academic community with a number of researchers and doctoral students as well as activities with partner universities and institutions in Europe and elsewhere.

For more information about the programme please see: <http://www.abo.fi/hrmasters>, E-mail: [hrm-coordinator@abo.fi](mailto:hrm-coordinator@abo.fi)

## **Master's Degree Programme in Biomedical Imaging**

Biomedical imaging has emerged as one of the most important technology areas in basic bioscience and biomedical research as well as in clinical medicine and translational research. The current technologies enable detailed real-time and non-invasive visualization of molecules, structures and events in cells, tissues, and whole organisms. Application areas include cell and molecular biology, pharmacology, structural biology, nanotechnology and biomaterials research, and patient care-related diagnostics. The Programme aims to train professionals that will have a thorough understanding of diverse imaging technologies along with practical skills in a wide range of imaging methods and applications. The programme is jointly administrated by the Department of Biosciences at Åbo Akademi University and the Medical Faculty at the University of Turku. Successful completion of this two-year full-time programme results in the award of a Master of Science (M.Sc.) degree.

### *Structure of the Programme*

The programme consists of the following modules: (a) major subject studies in biomedical imaging, including a Master's thesis in a suitable application area, seminars and paper presentations; (b) language studies, and; (c) optional studies, which include courses, such as novel and advanced techniques in microscopy, photonics, and in vivo imaging, as well as international lectures and hands-on courses. Practical courses will be given by the two universities in Turku (Åbo Akademi University and the University of Turku). In addition, lecturers and experts from a broad Nordic network in imaging as well as top-ranking international experts from all over the world are invited to participate in ongoing workshops, laboratory courses, seminars and symposia.

### *Cooperators*

The Programme is offered by Åbo Akademi University and the University of Turku. Close cooperators are the national Turku PET Centre, Turku Centre for Biotechnology, Turku Centre for Disease Modeling and Turku University Hospital. The programme has a strong Nordic contribution, since the programme has collaboration sites in the Nordic countries, for example, University of Bergen and Karolinska Institute.

For more information about the programme please see: <http://www.abo.fi/bioimaging>, E-mail: [bioimaging@abo.fi](mailto:bioimaging@abo.fi)

## ***Master's Programme in Peace, Mediation and Conflict Research***

This two-year Master's Programme provides interdisciplinary perspectives on the complex issues related to peace and conflict in the contemporary world. The programme aims to facilitate the understanding of conflict and its mediation in terms of short and long term consequences. The programme also focuses on conflict resolution, mediation, and peacemaking in local as well as regional and global contexts.

In this Master's Programme, peace and conflict are understood as processes, thus the programme helps to analyze not only the nature and evolution of conflict, but also approaches to conflict that include peace building, mediation, and negotiation. A variety of approaches, procedures, tools, and methods are analyzed in practical contexts within the Master's Programme in Peace, Mediation and Conflict Research.

The successful completion of this two-year full-time study programme results in the award of Master of Social Science degree.

### ***The Structure of the Programme***

The programme consists of 120 credits. There are 25 credits in required foundation courses, for example in Introduction to Peace and Conflict Studies (Parts I and II), Research Methods, Negotiation and Mediation Techniques, and Scientific Writing. There are 25 credits in required advanced studies courses (e.g., thesis seminars). Students select 35 credits from lists of elective courses on a variety of topics dealing with aggression, conflict, conflict resolution, peacemaking, human security, gender and peacemaking, reconciliation, environment and peace, and so on. Finally, thesis credits are 35 ECTS.

### ***Cooperation with this Joint Programme***

The Master's Programme is organized jointly by Åbo Akademi University in Vasa and the University of Tampere. The coordinating unit at Åbo Akademi University is the Developmental Psychology Programme within the Department of Social Sciences, and at the University of Tampere the coordinating units are Tampere Peace Research Institute in cooperation with the School of Management and the School of Social Sciences and Humanities. The programme has a joint website: <http://www.uta.fi/yky/peace/index.html>

### ***Study Environment***

The Peace, Mediation and Conflict Research programme is located at the Vasa campus of Åbo Akademi University. Vasa is on Finland's west coast and renowned for its scenic seaside environs and friendliness as a medium-sized city.

For more information about the programme please see: <http://www.abo.fi/institution/en/socvetpeace>, or <http://www.uta.fi/yky/peace/index.html>, E-mail: [peace@abo.fi](mailto:peace@abo.fi)

## ***Master's Programme in Computer Engineering/ Software Engineering***

Software engineering focuses on the systematic, efficient and effective development of software systems. The study programme in software engineering comprises the use of specification, design, programming, validation and project planning and management methods and tools to develop high-quality, affordable and maintainable software systems. There is an emphasis on the development of internet-based software services and applications. Communication skills and team work are also an important part of the studies.

The study programme is designed to provide the student with the necessary knowledge and skills to join the software industry and participate in demanding software development projects. It also provides the required background for doctoral research in software engineering. Successful completion of this two-year full-time study programme results in the award of a Master of Science (Technology) degree (in Swedish diplomingenjör). Professor Ivan Porres leads the study programme.

### ***Structure of the Programme***

The studies consists of the following modules: advanced studies in software engineering (40 credits), master's thesis in software engineering (30 credits), project course (10 credits), studies in information systems and management sciences (20 credits); language course (5 credits), and free optional studies (15 credits).

### ***Study environment***

The Master Studies in Software Engineering are offered by the Department of Information Technologies at Åbo Akademi University. The department provides education in Computer Engineering, Computer Science and Information Systems, at the bachelor's level, master's level and postgraduate level. The department is located in the Turku Science Park area, in the ICT-building, where research groups and academic programmes meet, interact and collaborate with ICT companies - many of which are multinational and well known. The study facilities are brand-new and equipped with the latest technology.

For more information about the programme please see: <http://www.abo.fi/se>, E-mail: [softwareengineering@abo.fi](mailto:softwareengineering@abo.fi)

## ***Master's Programme in Computer Science***

Computer Science focuses on the study of the scientific foundations for information, computation, and communication, and on the practical techniques for implementing them in computer systems. This is a very broad area of science spanning from the theory of computing, through programming, to cutting-edge development of computing solutions for large distributed systems, including cloud-based systems. Computer Science offers a solid foundation enabling graduates to adapt quickly to new ideas, new technologies, and to multidisciplinary fields. Traditional subfields of Computer Science are algorithmics, computability, software development

## TWO-YEAR MASTER'S PROGRAMMES TAUGHT IN ENGLISH

and verification, programming language theory, computer graphics, databases, compilers, and others. Successful completion of this two-year full-time study programme results in the award of a Master of Science degree (in Swedish filosofie magister) in Computer Science. The program coordinator is Dr. Mats Asp nas and the program director is Professor Ion Petre.

### *Structure of the Programme*

The programme consists of a total of 120 credits structured as follows: (i) Master's thesis: 30 credits; (ii) advanced level courses in Computer Science: 60 credits; (iii) language studies: 5 credits; (iv) optional courses: 25 credits.

The advanced-level courses in Computer Science include 20 credits of mandatory courses and 40 credits which can be selected from a number of modules including topics like Software theory, Software systems, Computational systems biology and High-performance computing.

The optional studies can be chosen freely from Computer science or some other supporting subject, like Software engineering, Information systems, Mathematics, Statistics or Biosciences. Thus, the programme gives the students very good opportunities to choose subjects of his/her own interest and obtain a Master of Science degree with a strong interdisciplinary profile.

### *Study environment*

The Master Studies in Computer Science are offered by the Department of Information Technologies at  bo Akademi University. The department provides education in Computer Science, Computer Engineering and Information Systems, at the bachelor's, master's and doctoral levels. The department is located in the Turku Science Park area, in the ICT-building, where research groups and academic programmes meet, interact and collaborate with ICT companies - many of which are multinational and well known. The study facilities are brand-new and equipped with the latest technology.

### *Admission requirements*

Eligible applicants have a Bachelor's degree in Computer Science, Computer Engineering or in a closely related field. They should also have completed at least 25 credits of courses in Mathematics as part of their Bachelor's degree studies. The applicants must also demonstrate their knowledge of the English language. Successful applicants are selected on the basis of how well their bachelor's degree corresponds to the program and on the study merits of the student. There is no entrance examination.

For more information about the programme please see [https://www.abo.fi/institution/it\\_cs](https://www.abo.fi/institution/it_cs)  
E-mail: [computerscience@abo.fi](mailto:computerscience@abo.fi)

# Doctoral Programmes

In Åbo several doctoral programmes offer possibilities for PhD studies, in a broad range of disciplines. Exchange students can also take part in some of the courses offered by the programmes. Please see the websites for more detailed information about the programmes.

## Graduate School in Chemical Engineering, GSCE

*Doktorandprogrammet i kemisk processteknik - kemiantechniikan tohtorihjelma*

The GSCE programme is one of the most extensive doctoral programmes in Finland. Laboratories of Åbo Akademi University, Aalto University School of Chemical Technology, Lappeenranta University of Technology, and the University of Oulu, twenty-six all told, participate in the programme. The programme coordination is located at Åbo Akademi University.

The aim of the Graduate School in Chemical Engineering is to elevate the esteem of, and to intensify postgraduate education within the field of chemical process engineering in Finland. The goal of the school is to maintain the high standard of the doctoral thesis works and to shorten the time period required for obtaining the degree to four years. The school further aims to prepare students for meeting the demands of modern industry and research organizations in the international environment, both professionally and socially. This is to be accomplished by way of offering students high standard postgraduate courses and seminars and active supervision as well as providing a fine-mesh supporting network for students, researchers, and supervisors alike. The future placement of doctors in industry is secured through maintaining close contact with the chemical engineering industry.

The GSCE programme offers its students and other postgraduate students intensive courses in the field of chemical engineering. All courses offered by the GSCE are held in English. Intensive courses given within the GSCE framework in the academic year 2013-2014 are listed in the GSCE course catalogue that can be found on the Internet at <http://www.abo.fi/gsce/>.

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## Postgraduate Studies in Human Rights

There are several different possibilities to undertake postgraduate Studies in Human Rights. Those accepted as a doctoral candidate within the national Doctoral Programme in Human Rights Research and others who have been admitted to pursue postgraduate studies at Åbo Akademi University, either majoring in International Law or in some other subject closely linked to human rights, are offered the possibility to study up to 60 ECTS credits within a postgraduate programme in human rights provided by the Institute for Human Rights and the Department of Law. These 60 ECTS credits constitute a part of the doctoral degree.

The National Doctoral Programme in Human Rights Research was established in 2002 and since then doctoral candidates from Åbo Akademi University, the University of Turku, the University of Helsinki and the University of Lapland have taken part in the activities organised by the Doctoral Programme as well as received funding for research as well as for conferences, seminars and other activities.

There is no requirement that the doctoral candidates must be Finnish citizens or residents, but so far a person receiving Finnish national funding as a doctoral candidate should plan to defend his or her doctoral thesis at a Finnish university. At the moment, the national funding encompasses 7 such doctoral candidate posts of four years and a number of doctoral candidates with another source of funding.

From January 2002 until December 2011, the Institute for Human Rights at Åbo Akademi University was coordinating a NordForsk funded Nordic Network in Human Rights Research. Due to intensive cooperation between the partners of the network and by NordForsk's approval, the network was transformed into a Nordic School in Human Rights Research in 2004. The long history of Nordic and Baltic cooperation has provided for an even stronger basis for continued cooperation and the Nordic School in Human Rights Research now continues within the framework of a revised network. From January 2012 the Nordic network is coordinated by the Norwegian Centre for Human Rights in Oslo and the Institute for Human Rights at Åbo Akademi University continues to take an active part in this cooperation.

The Doctoral Programme in Human Rights Research consists of the following courses:

- Advanced Course on the International Protection of Human Rights (10 ECTS credits incl. essay; provided annually in August, separate application procedure)
- "Specialization Course", i.e. another intensive course with varying theme (10 ECTS credits incl. book examination; provided annually in November, separate application procedure)
- Doctoral Candidate Seminar (3 ECTS credits per academic

## DOCTORAL PROGRAMMES

year, incl. a presentation)

- Specialization courses in human rights when provided on advanced or postgraduate level (10 ECTS credits incl. essay or examination)
- Nordic Research Course in Human Rights (5 ECTS credits incl. essay; separate application procedure)

The programme, or a part of the programme, can be complemented with postgraduate studies at other universities, e.g. with a Master's Programme in human rights (European Master's Programme in Human Rights and Democratization or equivalent) or with individual achievements listed below:

- Advanced or postgraduate courses within the framework of Turku Law School (e.g. International Criminal Law)
- Advanced or postgraduate courses in Women's Human Rights or Women's Studies
- Courses within the LL.M. Programme (Masters of Law Diploma Programme) at the University of Helsinki
- Courses or conferences provided by another Doctoral programme
- Other relevant advanced or postgraduate courses
- Relevant practical training which includes demanding writing tasks, e.g. at the Council of Europe or within the UN human rights programme
- Scientific publications

For further information you are welcome to contact the Coordinator for the doctoral programme in Human Rights Research.

## **The National Doctoral Programme in Informational and Structural Biology**

The National Doctoral Programme in Informational and Structural Biology (ISB) is a network whose memberships extends across Finland (and to Sweden and Norway via our NordForsk Network of National Graduate Schools in Biological Informatics; The Nordic Network in Biological Informatics - NNBI). "ISB's primary mission is to develop and to promote the highest quality research training and educational experience on the national level for multidisciplinary doctoral studies that integrate theoretical and predictive biological and chemical informatics with structural studies at the molecular and cellular levels of biological organization."

The program focuses on collaborative training in the overlapping fields of structural biology, bioinformatics, biophysics, biochemistry, cell biology, systems biology and computational chemistry. Research projects exploit computational and experimental approaches.

ISB is currently training about 90 doctoral students. Our members come from 11 universities and institutes: CSC IT Center for Science, FIMM - Finnish Institute for Molecular Medicine, Lappeenranta University of Technology, University of Eastern Finland (Joensuu and Kuopio campuses), University of Jyväskylä, University of Helsinki, University of Oulu, University of Tampere, University of Turku, VTT- Technical Research Center of Finland, and Åbo Akademi University. ISB also coordinates the Nordic Network in Biological Informatics and a ScanBalt Campus Knowledge Network, linking

national graduate schools, 380 members, in Norway, Sweden and Finland.

The school has a director, a full-time coordinator and a 13-member board (supervisors, industrial supervisors, students), selected by the local members and by the students, and is coordinated from Åbo Akademi University, Åbo/Turku. Participants include about 65 supervisors, 13 postdocs and senior scientists, and 7 industrial participants distributed across Finland. Some students work in industry, some abroad, while earning their degree.

Students are trained to a large extent in the laboratories of their supervisor(s), reporting to and monitored by a thesis committee. Our students are supported by ISB to customize their own training and education to suit their career goals, especially through national and international research visits, courses, workshops and symposia, providing rich opportunities for our students. ISB organizes a yearly popular Winter School in the far north, combining sporting and social activities with research presentations from all of our students and from invited international guests. ISB students organize a Spring School focusing on transferable skills (oral and written presentations, grant preparation, ethics, career development, etc.) and research. ISB also cooperates with other doctoral programs in Finland, e.g. FinBioNet and Turku BioNet) in order to fund a wider variety of courses for our students, especially in transferable skills.

The ISB Handbook, now in its 6th edition, addresses many aspects of the doctoral program: application procedures and their evaluation, responsibilities of students, supervisors and thesis committees; ethics, best practices and scientific malpractice; mobility and career development, and so forth. ISB instituted a quality program for the doctoral program in 2004. The excellent training of our 99 (as of February 2013) graduates has ensured them of employment in academia, government, hospitals and industry. Most of our graduates seek postdoctoral training outside of Finland; Nine former students are now supervisors in ISB; 3 are senior scientists/postdoctoral members; 1 is an industry member.

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## **National Graduate School of Nanosciences, NGS-Nano**

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[https://www.jyu.fi/science/muut\\_ysikot/nsc/en/studies/ngs](https://www.jyu.fi/science/muut_ysikot/nsc/en/studies/ngs)

The NGS-Nano offers an advanced level program leading toward a Doctoral (PhD) degree in Nanosciences. The language of tuition is mostly English. Prerequisites for admission are either a Master's degree in chemistry, chemical engineering, physics or engineering physics depending on the scientific orientation of the applicant. The expected duration of the Doctoral program is four years. The research groups of the collaborative laboratories in Turku are active in the following areas of materials research:

- Ceramics, glasses and metals
- Polymeric and composite materials
- Surface chemistry and physics
- Experimental materials physics
- Computer simulation of materials

For information about the application procedure, course content and prerequisites, please contact Ronald Österbacka, phone +358 (0)2 215 4923, e-mail: rosterba@abo.fi.

## **The Finnish Doctoral Programme in Stochastics and Statistics (FDPSS)**

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## **Turku Centre for Computer Science Graduate School**

Turku Centre for Computer Science Graduate Programme  
Turku Centre for Computer Science (TUCS) is a joint research institute of University of Turku and Åbo Akademi University. TUCS conducts basic and applied research in computer science and engineering in four research programmes:

- BioHealth – From Computational Biology and Medical Informatics to Health and Wellbeing
- Com3 – Combinatorics, Complex Systems and Computability
- RITES – Resilient IT Infrastructures
- TISRA – Turku Information Systems Research Alliance

TUCS boasts a long history of high-level achievements of its affiliated researchers, in terms of articles in high-level journals and conferences, high number of citations, invitations to speak in the most important conferences in the field, and memberships in editorial boards of many high-level international journals. TUCS has been a Center of Excellence of Research of the Academy of Finland in the very first round of such centers in Finland, 1995-1999. A unit of TUCS, the Centre for Reliable Software Technology (CREST), has also been a Center of Excellence during 2002-2007. Two Academy Professors, as well as three FIDIPRO professors have been / are affiliated with TUCS. TUCS is hosting the research activity of Academician Arto Salomaa.

TUCS is a partner in several international research and education networks, including the European Institute of Innovation and Technology (EIT) and the European Educational Forum (EEF).

Turku Centre for Computer Science is also a national doctoral programme in computer science, hosted jointly by the University of Turku and Åbo Akademi University. In its nearly 20-year old existence, TUCS has already graduated more than 140 PhD students. Many of them now hold positions in prestigious universities and in the industry all over the world. The TUCS Graduate Programme is a member in the FIGSIT – the Network of Finnish Doctoral Programmes in Information Technology offering various joint activities such as summer schools and short courses.

TUCS hosts a number of Master programmes in information technology, in collaboration with the University of Turku, Åbo Akademi University and Turku University of Applied Sciences.

TUCS is closely involved with Turku Science Park which joins together academic and business experts, contributing to a unique growth environment for the commercialization of research-oriented innovations and for the generation and growth of enterprise activities related to high technology.

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