

# Opasraportti

## Maantieteen opas 15-16 (2015 - 2016)

Students in Geography will first carry out 3-year studies for Bachelor of Science (BSc). Major subject is Geography.

BSc studies will give basic information about scientific and geographical ways of thinking, and familiarize students with geographical concepts, theoretical and methodical contents. Studies will give basic knowledge to carry out spatial research in order to collect and process empirical research material, and to present and apply geographical information by different communication tools.

After the BSc degree ("BSc level"), the students will continue to Master level studies. Major subject is Geography. In the MSc studies, the student will deepen his/her theoretical and methodical knowledge in sense of quantitative, qualitative and GIS methods.

Master studies will develop students' skills to independent geographical work and research. Studies will give strong and deep expertise and know-how for challenging posts in national and international work.

### Teaching

Teaching in Geography is divided in two steps: BSc and MSc -studies. Studies in BSc level are 180 ECTS and in MSc level studies are 120 ECTS. BSc-studies take three years, and MSc-studies take two years.

In the BSc-studies teaching is organized by lectures, practical training, study circles and seminars. In addition, there are book exams in which the student will read and understand the required knowledge of the given literary and after that he/she goes to exam to answer the exam based on that literary. BSc-studies are combined by basic studies and intermediate studies and they end up with BSc thesis which are normally prepared in the end of the third study year (2nd semester of 3rd year).

In the studies of MSc, teaching is organized similar way. In the MSc-level, studies are focused on to the specialization. Fields of specialization are:

- Regional development and regional policy
- Geoinformatics
- Human Geography
- Physical Geography
- Tourism Geography

MSc-degree studies are combined by Advanced studies which ends to Master thesis.

Exchange students are recommended to take studies from Basic and Intermediate studies. In case of master level courses (MSc studies, Advanced studies) it is best to contact professor or coordinator before registration to the courses. In the advanced studies, some of the courses are organized in uneven years: please note that information from description of the courses.

More detailed schedule (dates, lecture halls, times) of the courses for semester 1 (Autumn semester) and semester 2 (Spring semester) will be announced later in the web pages of the Department of Geography.

## Tutkintorakenteet

# Bachelor of Science, BcS

Tutkintorakenteen tila: archived

Lukuvuosi: 2015-16

Lukuvuoden alkamispäivämäärä: 01.08.2015

## General studies for all students of Geography (11 op)

902003Y: English 3 (Reading for Academic Purposes), 3 op

902005Y: English 4 (Scientific Communication), 3 op

030005P: Information Skills, 1 op

790050Y: Orientation, 2 op

901035Y: Second Official Language (Swedish), Oral Skills, 1 op

901034Y: Second Official Language (Swedish), Written Skills, 1 op

## Basic studies for all students of Geography (30 op)

### N.B.:

All the students of the Geography will make Basic studies during the first year. There are six courses in the Basic studies, and they will be made in the 1st and the 2nd semester. The letter code of the Basic studies is "P" (referring to Perus, i.e. Basic).

### Learning outcomes of the BcS studies

When the student has finished BcS studies, he/she can:

- recognize the most important concepts and traditions in Geography,
- make interpretations of the different phenomena from the fields of physical, cultural and tourism geography and from the fields of the geoinformatics and regional development and policy,
- to carry out independent written reports and cartographic presentations according to standards of the courses,
- to make a study about different geographical phenomena from the different viewpoints of the Geography,
- to make conclusions about geographical phenomena and their influence to physical environment, culture, tourism and regional development, and
- to produce independently geographical knowledge and information that is based on doctrines that he/she has adapted.

790101P: GIS-basics and Cartography, 5 op

790141P: Introduction to Regional Development and Regional Policy, 5 op

790160P: Introduction to Tourism Geography, 5 op

790104P: Introduction to systematic Human Geography, 5 op

790152P: Introduction to the discipline of Geography, 5 op

790102P: Introduction to the systematic Physical Geography, 5 op

## Intermediate studies for all geography students (25 op)

All the students of the Geography will make some Intermediate studies already during the first academic year. Rest of the Intermediate studies will be carried out during the 2nd and 3rd year. In the Intermediate studies there are courses that are common to all of the students and courses that students can choose according their specialization. Common (compulsory) studies are 25 ECTS and other courses are 75 ECTS (in maximum).

However, students have to perform at least 55 ECTS from Intermediate studies (which letter code in "A" that refers to word "aine", i.e. subject). The Intermediate studies are divided to two groups: common courses (25 ECTS that are compulsory) and free choice courses that student will choose according to his/her specialization of the Geography (at least 30 ECTS). In general, it is normal that students will make more than demanded 55 ECTS in the Intermediate level.

The Intermediate studies will end to the Thesis of the BcS (Bachelor of Science) and to the written maturity test. They are normally performed during the 2nd semester of the 3rd academic year (spring semester).

In this group the Intermediate studies are introduced in the recommended order during the semesters. The Intermediate studies which the student can choose freely are introduced after these (compulsory) courses.

790342A: Advanced course in GIS, 5 op  
 790322A: Geographical Information and Research, 5 op  
 790399A: Maturity test, 0 op  
 790106A: Region, culture and society, 5 op  
 790351A: Seminar and Thesis of BSc (Bachelor of Science), 10 op

### **Intermediate studies for students of Geography based on specialisation (30 - 68 op)**

The Intermediate studies which the student can choose freely based on his/her specialization will complete the Intermediate studies to 55 ECTS. These courses will be carried out during the 1st, 2nd or 3rd academic year. These free choice studies are minimum 30 ECTS. There are no maximum limit of the free choice studies, but the student have to decide which courses are realistic to carry out in three academic year (in six semesters).

In the following list the free choice Intermediate studies are listed.

H320310: Optional intermediate studies, geography, 30 - 50 op

*Choose min 30 ECTS cr*

790350A: Special themes in Regional Development and Regional Policy, 5 op  
 792301A: Economic Geography and its Applications, 5 op  
 792319A: Regional politics, policy and development: Northern Europe, 5 op  
 790305A: Special themes in Human Geography, 5 op  
 790303A: Special themes in Physical Geography, 5 op  
 790310A: Field course in Physical Geography, 5 op  
 790161A: Tourism, sustainability and environment, 5 op  
 790320A: Tourism planning and development, 5 op  
 790321A: Field course in Human Geography, 5 op  
 790326A: Qualitative research methods, 5 op  
 791302A: Environment and society, 5 op  
 790340A: Geographies of global development, 5 op  
 790346A: Nature conservation: a geographic perspective, 5 op  
 790347A: Book exam, 5 op  
 790348A: Substituting written exam (Hum.g), 5 op  
 790349A: World regional geography, 5 op  
 791635A: Physical Geography of Fennoscandia, 5 op  
 790319A: Development Towards Geography Subject Teacher Expertise, 5 op  
 795300A: Courses taken abroad, 0 - 25 op

### **Minor studies in Geography, BSc-level (vähintään 84 op)**

Minor Studies (84 ECTS) can be selected freely, except 10 ECTS statistics are compulsory: Introduction to statistics (5 ECTS) and A second course in statistics (5 ECTS)

Furthermore, the students have to take minor studies (74 ECTS) according the following regulations:

- Three subjects of minor studies (Basic studies, 25 ECTS), i.e. 3 x 25 ECTS and other studies, or
- One subject of minor studies (Basic and Intermediate studies, 60 ECTS) and other studies.

It is strongly recommended that student who will do 60 ECTS (so called large minor studies) from one subject, will take also 25 ECTS studies from one subject.

Minor studies are recommended as follows by the specialization field of Geography:

- Students of Physical Geography can take minors freely. Statistics are recommended.
- Students of Human (cultural) Geography can take minors freely.
- Students of Tourism Geography can take minors freely.

- Students in Regional Development and Regional Policy can take minors freely. Statistics are recommended.
- Students of Geoinformatics can take minors freely. Statistics and Computer Science are recommended.

Students who are participating in the teachers' studies (education of geography teachers in secondary and high schools) have to study Education 60 ECTS and normally Biology 60 ECTS. Biology (60 ECTS) are normally carried out in BSc-studies and Education starts during the 3rd study year (25 ECTS as minor in BSc-level). Studies of Education continue in MSc-studies.

Minor studies can be selected for example from the following subjects: biology philosophy, languages and communication studies, geophysics, chemistry, cultural anthropology, tourism studies, geology, Rural Studies, sociology, computer science, statistics, future studies, politics, urban planning, environmental studies and economics. More information: from webpages of the departments and study advisors.

806119P: A Second Course in Statistics, 5 op

806118P: Introduction to Statistics, 5 op

## Master of Science, MSc (copy)

Tutkintorakenteen tila: archived

Lukuvuosi: 2015-16

Lukuvuoden alkamispäivämäärä: 01.08.2015

### Advanced studies for all students of Geography, 45 ECTS (45 op)

#### N.B.:

The major subject for all students is Geography in the Advanced studies. There are two lines of orientation: geography and teaching in geography. The study guide will give more detailed information about those lines of orientation.

The Advanced studies (master level studies, which code letter is "S" that refers to syventävä, i.e. advanced) are divided to two sections: common courses (altogether 45 ECTS) and free choice courses (altogether 35 ECTS). All the common courses have to be performed by the all students. Free choice courses are selected from the module studies which support students own specialization in Geography. Final Exam have to be done to the same module in which the student is making his/her Master Thesis.

#### About minors in Master studies

The student can choose minor studies freely in Master level. There have to be altogether 40 ECTS minor studies.

#### Learning outcomes of the MSc studies

When the student has finished MSc studies, he/she can:

- to define the most essential traditions and concepts in his/her field of specialization and to define the most central research problems in contemporary studies and in the future,
- to conclude different geographical contexts which have influence to his/her specialization in both practical and conceptual sense.
- to apply his/her earlier knowledge to the new research or teaching challenges and to clarify how different geographical phenomena are connected to each other.
- to analyse the geographical knowledge and information according to profound use of research methods,
- to clarify and to argue the influences for the processes which are linked to his/her field of specialization or to the wider geographical aspects, and
- to diversify geographical understanding by independent research (Master thesis), and to make new initiatives for the tradition and challenges of Geography.

791601S: History and philosophy of geography, 5 op

791619S: Pro gradu thesis (Master Thesis), 30 op

791639S: Quantitative research methods in Geography, 5 op

791631S: Seminar in master's thesis, 5 op

## Advanced studies based on specialisation (Modules), 35 ECTS (35 - 85 op)

It is recommended that the student will choose a home module to himself/herself. Module refers to his/her specialization. The Final exam will be done to the same module in which he/she is making the Master thesis. Special course is also normally performed to the same module. The courses of the modules are held on every or every second year, i.e. they are possible to carry out in two semesters.

### Module of the Regional development and policy

791610S: Final examination, 5 op  
 791642S: Regional politics, policy and development: Advanced themes, 5 op  
 791641S: Research and application of regional politics, policy and development, 5 op  
 791637S: Special research course in Geography, 5 op

### Module of the Geoinformatics

791610S: Final examination, 5 op  
 792617S: GIS Methods in Research, 5 op  
 791613S: Position based analyses and services in geography, 5 op  
 791637S: Special research course in Geography, 5 op

### Module of the Human Geography

791640S: Contemporary themes in Social Geography, 5 op  
 791610S: Final examination, 5 op  
 791621S: Political geography, 5 op  
 791627S: Research in regional geography, 5 op  
 791637S: Special research course in Geography, 5 op

### Module of the Physical Geography

791610S: Final examination, 5 op  
 791626S: Methodological special themes in Physical Geography, 5 op  
 791636S: Remote sensing in Physical Geography, 5 op  
 791624S: Research in northern environment, 5 op  
 791637S: Special research course in Geography, 5 op

### Module of the Tourism Geography

791610S: Final examination, 5 op  
 791637S: Special research course in Geography, 5 op  
 791632S: Sustainable development and global tourism, 5 op  
 791629S: Traditions and current issues in tourism research, 5 op

## Other Advanced studies

These courses are so called other studies that can be marked to the Advanced studies in Geography. However, they do not substitute common courses (45 ECTS) and courses of the module studies (35 ECTS). Exception is Practical training (791616S). Furthermore, Studies abroad can substitute module studies. These courses have to be agreed with professor before the exchange year or exchange period. Other studies are normally made from 5 to 10 ECTS per student and they are so called extra credits.

795600S: Courses taken abroad, 0 - 25 op  
 795601S: Courses taken at other universities and colleges, 0 op  
 791633S: International lectures, 2 op  
 791616S: Practical training, 5 op

## Minor studies 40 ECTS cr (vähintään 40 op)

Choose freely 40 ECTS cr courses of minor studies.

# Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

791630S: Book exam geoinformatic, 3 - 5 op  
 802336A: Introduction to Cryptography, 5 op  
 790620S: Tourism planning and development, 5 op

## Opintojaksosten kuvaukset

### Tutkintorakenteisiin kuuluvien opintokohteiden kuvaukset

#### 902003Y: English 3 (Reading for Academic Purposes), 3 op

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Negotiated Education

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** English

**Proficiency level:**

B2/C1 on the [Common European Framework of Reference](#) scale.

**Status:**

This course is mandatory for students of geography. Please consult the Faculty Study Guide to establish other alternatives within the language requirements in your degree program.

**Required proficiency level:**

English must have been the A1 or A2 language at school, or equivalent English skills should have been acquired otherwise.

**ECTS Credits:**

3 ECTS credits

**Language of instruction:**

English

**Timing:**

1st year autumn term

**Learning outcomes:**

By the end of the course, you are expected to

- have acquired effective vocabulary learning techniques
- be able to distinguish parts of words to infer meanings
- utilize your knowledge of text structure and cohesion markers to understand academic texts
- extract information and learn content from English readings in academic and professional contexts

**Contents:**

The course will focus on reading strategies; these include recognizing how texts are organized, identifying key points in a text, and understanding words in context. Vocabulary work in the course will focus on a) academic vocabulary, as used in formal scientific writing, and b) using your knowledge of the meanings of parts of words (affixes) to infer meaning.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

The course is closely integrated with first year autumn geography courses, and it includes 40 hours of instruction in class and 40 hours of self-study.

**Target group:**

1st year students of geography

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Students are required to take 902005Y Scientific Communication, which is offered to geography students in their 3<sup>rd</sup> year

**Recommended or required reading:**

Set books for substance studies and other written materials. Further information will be given in the first lesson.

**Assessment methods and criteria:**

Continuous assessment takes into account active and regular participation in classroom sessions and successful completion of all homework tasks, vocabulary quizzes, and an end of course exam.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass/Fail

**Person responsible:**

Karen Niskanen

**Working life cooperation:**

-

**Other information:**

N.B. Students with grades *laudatur* or *eximia* in their A1 English school-leaving examination can be exempted from this course and will be granted the credits by the Faculty of Science.

**902005Y: English 4 (Scientific Communication), 3 op**

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Negotiated Education

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** English

**Leikkaavuudet:**

ay902005Y English 4 (Scientific Communication) (OPEN UNI) 3.0 op

**Proficiency level:**

B2/C1 on the CEFR scales

**Status:**

This course is mandatory for students of geography who will have English as their foreign language in their B.Sc. degree. This includes the students who were exempted from 'Reading for Academic Purposes' (902003Y).

**Required proficiency level:**

The students taking this course must have had English as an A1 or A2 language (or equivalent English skills should have been acquired otherwise). The course 'Reading for Academic Purposes' (902003Y) is a pre-requisite (unless exempted).

**ECTS Credits:**

The student workload is 80 hours/ 3 ECTS credits.

**Language of instruction:**

English

**Timing:**

Geography , 3rd year autumn term

**Learning outcomes:**

By the end of the course you are expected:

1. to have demonstrated your use of appropriate strategies and techniques for communicating effectively in English in and academic context.
2. to have demonstrated the ability to prepare and present scientific subjects, using appropriate field-related vocabulary.

**Contents:**

Skills in listening, speaking, and presenting academic topics are practised in the classroom, where the emphasis is on pair- and small group work. Homework tasks include online listening tasks, written tasks and reading to support the classroom learning. At the end of the course, you will give an academic/scientific presentation.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Contact teaching 40 hours, homework 40 hours

**Target group:**

3rd year students of Geography

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Also required: [902003Y Reading for Academic Purposes Englannin kieli 3](#)

**Recommended or required reading:**

Course materials will be provided by the teacher.

**Assessment methods and criteria:**

Continuous assessment is based on regular attendance, active participation in all lessons and successful completion of all homework tasks, including the final presentation.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

pass / fail

**Person responsible:**

Karen Niskanen

**Working life cooperation:**

-

**Other information:**

## 030005P: Information Skills, 1 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Technology

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Ursula Heinikoski, Sassali, Jani Henrik

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

030004P Introduction to Information Retrieval 0.0 op

**ECTS Credits:**

1 ECTS credit

**Language of instruction:**

Finnish

**Timing:**

2nd or 3rd year

**Learning outcomes:**

Students know the different phases of information retrieval process and basic techniques of scientific information retrieval. They will find the most important reference databases of their discipline and know how to evaluate information sources and retrieval results.

**Contents:**

Retrieval of scientific information, the retrieval process, key databases of the discipline, and evaluation of information retrieval and information sources.

**Mode of delivery:**

Blended teaching: classroom training, web-based learning material and exercises in Optima environment, a final assignment on a topic of the student's own choice

**Learning activities and teaching methods:**

Training sessions 8h, group working 7h, self-study 12h

**Target group:**

Compulsory for all students of the Faculty of Technology, the Faculty of Information Technology and Electrical Engineering and the Faculty of Architecture. In the Faculty of Science compulsory for students of biology, physics, geosciences, chemistry and geography. Optional for students of biochemistry and mathematics.

**Prerequisites and co-requisites:**



-  
**Recommended optional programme components:**

-  
**Recommended or required reading:**

Web learning material <https://wiki oulu.fi/display/030005P>.

**Assessment methods and criteria:**

Passing the course requires participation in the training sessions and successful completion of the course assignments.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

pass/fail

**Person responsible:**

Science and Technology Library Tellus, tellustieto (at) oulu.fi

**Working life cooperation:**

-  
**Other information:**

## 790050Y: Orientation, 2 op

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st year, 1st semester.

**Learning outcomes:**

With this first course the students starts to integrate to the study system and field of Geography. Students are planning their own study paths.

**Contents:**

Small group sessions with older Geography students, advising, meetings.

**Mode of delivery:**

Face-to-face meetings, small group meetings.

**Learning activities and teaching methods:**

Small group meetings, lectures, other meetings in total 20 hrs.

**Target group:**

Common course to all 1st year students.

**Prerequisites and co-requisites:**

-  
**Recommended optional programme components:**

-  
**Recommended or required reading:**

-  
**Assessment methods and criteria:**

Active participation to all meetings and making each personal study plan.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass/failed.

**Person responsible:**

Katri Suorsa

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

**901035Y: Second Official Language (Swedish), Oral Skills, 1 op**

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Negotiated Education

**Opintokohteen kielet:** Swedish

**Leikkaavuudet:**

- 901061Y Second Official Language (Swedish), Oral Skills 1.0 op
- ay901035Y Second Official Language (Swedish), Oral Skills (OPEN UNI) 1.0 op
- 901004Y Swedish 2.0 op

**901034Y: Second Official Language (Swedish), Written Skills, 1 op**

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Negotiated Education

**Opintokohteen kielet:** Swedish

**Leikkaavuudet:**

- 901060Y Second Official Language (Swedish), Written Skills 1.0 op
- ay901034Y Second Official Language (Swedish), Written Skills (OPEN UNI) 1.0 op
- 901004Y Swedish 2.0 op

**790101P: GIS-basics and Cartography, 5 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

- ay790101P GIS-basics and Cartography (OPEN UNI) 5.0 op

**Voidaan suorittaa useasti:** Kyllä

Ei opintojaksokuvauksia.

**790141P: Introduction to Regional Development and Regional Policy, 5 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

- ay790141P Introduction to planning geography (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st year, 1st semester.

**Learning outcomes:**

The student is able to apply the most essential concepts of regional development and regional policy. He/she can tell the historical progress of regional development, regional policy and regional planning of Finland and its relationship to contemporary development of European Union.

**Contents:**

Regional development and regional policy from conceptual and empirical aspects; Theories and mechanisms of RD and RP; Local, national and international development based on regional planning.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

20 hrs lectures, literature and written exam.

**Target group:**

Common course to all 1st year students of Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies in Geography and minor studies of Regional Development and regional planning.

**Recommended or required reading:**

Moisio, Sami (2012). Valtio, alue, politiikka. Suomen tilasuhteiden sääntely toisesta maailmansodasta nykypäivään. Vastapaino, Tampere.

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Toni Ahlqvist

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

## 790160P: Introduction to Tourism Geography, 5 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

790160A Introduction to tourism geography 5.0 op

Ei opintojaksokuvauksia.

## 790104P: Introduction to systematic Human Geography, 5 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay790104P Introduction to systematic humangeography (OPEN UNI) 5.0 op

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS

**Language of instruction:**

English

**Timing:**

1st year, 2nd semester (spring semester).

**Learning outcomes:**

The aim is to learn the development of Human Geography and contemporary questions of systematic fields of HG.

**Contents:**

Cultural and human phenomena in geographical scale: economy, industry, politics, religion, urban way of life, population, ethnicity, languages, globalization, popular culture and folklore.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

20 hrs lectures, 56 hrs practical's and written report. Final grade is based on exam and report (fifty-fifty).

**Target group:**

Common course to all 1st year students of Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of the minor studies of Geography.

**Recommended or required reading:**

To be announced later

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Cadey Korson (lectures) and Tuomo Alhojärvi (practicals).

**Working life cooperation:**

No.

## 790152P: Introduction to the discipline of Geography, 5 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Jan Hjort

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay790152P Introduction to the discipline of geography (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

BSc, 1st year, 1st semester

**Learning outcomes:**

With this course the students can analyse the history of Geography and contents of its different fields, concepts and research aspects.

**Contents:**

Lectures will give a general overview of Geography as an independent discipline. It will be completed by considering history, concepts and research aspects of Geography.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

20 hours lectures, literature and written exam.

**Target group:**

Obligatory for all the 1st year students of Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of the minor studies of Geography.

**Recommended or required reading:**

- International Encyclopedia of Human Geography (toim. Rob Kitchin & Nigel Thrift), chapters: Metaconcepts: Landscape, Place, Scale, Space I, Space-Time, Space II, Territory and Territoriality Philosophy and Geography: Regional Geography I Political Geography: Regionalism Social & cultural geography: Citizenship, Cultural Geography, Sense of Place.
- and readings of the Physical Geography.

**Assessment methods and criteria:**

On exam.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Jan Hjort, avoin

**Working life cooperation:**

No.

## 790102P: Introduction to the systematic Physical Geography, 5 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Jan Hjort

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay790102P Introduction to the systematic physical geography (OPEN UNI) 5.0 op

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish and English (Lectures are only in Finnish, but this course can be completed also in English with some extra readings. Practicals are also organized in English.)

**Timing:**

1 year, 2nd semester (spring semester)

**Learning outcomes:**

This introductory course will give information about systematic fields of Physical Geography and its contemporary research. After the course, the student recognizes the most essential phenomena of geosphere (geomorphology), hydrosphere (hydrogeography), biosphere (biogeography), atmosphere (climatology), and he/she is able to do conclusions about the factors that influence those phenomena. The aim of the practical's is that the student can use basic methods of the research of Physical Geography.

**Contents:**

Geomorphology, climatology, hydrogeography, biogeography; and geosphere, atmosphere, hydrosphere and biosphere. The students will learn how nature works and how to resolve multiple environmental questions. Practical's are focused to the importance of the material compilation and its technical use.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

20 h lectures, 56 h practicals.

**Target group:**

Common course to all 1st year students of Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of the minor studies of Geography.

**Recommended or required reading:**

- Strahler, A.N. & A.H. Strahler (2005). Physical Geography. Science and Systems of the Human Environment (Chapters 1–2, 5-7, 9, 13-20, 23).
- More material from the practicals.

**Assessment methods and criteria:**

Written exam on an exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Jan Hjort and Olli-Matti Kärnä

**Working life cooperation:**

No.

**Other information:**

Exchange students are asked to contact prof. Hjort before the course.

**790342A: Advanced course in GIS, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Rusanen Jarmo Juhani

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish, partly in English. English speaking students are asked to contact prof. Rusanen before the course.

**Timing:**

2nd year, 1st semester.

**Learning outcomes:**

The student knows the most essential analyses and methods of the GIS and is able to apply them independently in different research phases. In addition, the student manages the basis of the ArcGIS program and knows the most common types of the data of geographical information.

**Contents:**

Most central GIS methods by ArcGIS program in human and physical geography.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

64 h practicals. Independent practical work.

**Target group:**

Common course to all students of Geography.

**Prerequisites and co-requisites:**

Course 790101P, GIS basics and cartography (or corresponding studies in Exchange students' home university).

**Recommended optional programme components:**

Course is part of minor studies of GIS.

**Recommended or required reading:**

Antikainen, H., Määttä-Juntunen, H. ja Ujanen, J. (2014). GIS-jatkokurssi. Opetusmoniste. (In Finnish).

**Assessment methods and criteria:**

Preparation of the practicals and seminar work.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Jarmo Rusanen and Harri Antikainen

**Working life cooperation:**

No.

## 790322A: Geographical Information and Research, 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Paasi Anssi, Janne Alahuhta

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st year, 1st semester.

**Learning outcomes:**

The student will deepen his/her understanding about geographical information and research, and he/she will see the research as a part of society. The student will learn the correct practise in scientific research and the principles of copyrights.

**Contents:**

Communication in science, modes, ethics and interests of geogaphy and science in general;ethical scientific pratices; ethichs of researcher; as well as stucture of a research paper

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

12 hrs lectures, written exam.

**Target group:**

Common course to all 1st year students of Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies of Geography.

**Recommended or required reading:**

To be announced later

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Janne Alahuhta, Anssi Paasi and Eeva-Kaisa Prokkola

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

## 790399A: Maturity test, 0 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Janne Alahuhta, Eeva-Kaisa Prokkola

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

0 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

3rd year, 2nd semester.

**Learning outcomes:**

General writing based on student's BSc-thesis.

**Contents:**

Written exam based on student's BSc-thesis. In the exam the student will represent good and sufficient level of native language (Finnish).

**Mode of delivery:**

Written exam based on BSc-thesis.

**Learning activities and teaching methods:**

Ibid.

**Target group:**

Common course to all students of Geography.

**Prerequisites and co-requisites:**

BSc-thesis.

**Recommended optional programme components:**

Exam proves that the student is familiar to his/her field of study.

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Written exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / failed.

**Person responsible:**

Human Geography: Vilhelmiina Vainikka, Regional development and regional policy: Eeva-Kaisa Prokkola, Physical

Geography: Janne Alahuhta

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

## 790106A: Region, culture and society, 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Paasi Anssi

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

English and Finnish

**Timing:**

2nd year, 1st semester.

**Learning outcomes:**

A student can explain and represent the main ideas of regional geography, theoretical and practical meanings of concept 'region' and the role of region in order to manage society and culture.

**Contents:**

Development of (contemporary) regional geography, theoretical meanings of concept 'region', region and power. Lecture serves different fields of specialization.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

16 h lectures and an exam (lectures and literature)

**Target group:**



Common course to all students of Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies of Geography.

**Recommended or required reading:**

Material will be delivered during the course.

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Anssi Paasi.

**Working life cooperation:**

No.

**Other information:**

Exam is both in Finnish and in English (for English speaking students).

## 790351A: Seminar and Thesis of BSc (Bachelor of Science), 10 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Janne Alahuhta

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

10 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

3rd year, both semesters.

**Learning outcomes:**

After course the student is able to produce independent research by using most essential research methods.

**Contents:**

Students acquaint themselves mainly independently topic that they choose. There will be separate groups in three fields: in Human Geography, in Physical Geography and in Regional development and regional policy. BSc-thesis is written report about the field of research traditions, concepts and actual questions. The thesis of BSc will approve students' skills to produce independent academic research work.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

Course is organized in both semester. In the beginning of the semester is info where the content of the course is discussed. Each group will have common meetings and/or private discussions with the teacher during the semester. BSc-thesis (20-30 pages) is presented in written as well as oral form in the end of the semester in seminars where a peer student will act as an opponent.

**Target group:**

Common course to all students of Geography.

**Prerequisites and co-requisites:**

Basic and Intermediate studies.

**Recommended optional programme components:**

-

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Returning the BSc-thesis. Seminars.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Human Geography: Vilhelmiina Vainikka, Regional development and regional policy: Eeva-Kaisa Prokkola, Physical Geography: Janne Alahuhta

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

**H320310: Optional intermediate studies, geography, 30 - 50 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Study module

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

*Choose min 30 ECTS cr*

**790350A: Special themes in Regional Development and Regional Policy, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English

**Timing:**

2nd or 3rd year, 1st or 2nd semesters (autumn or spring semesters)

**Learning outcomes:**

Student understands theories and conceptual challenges of planning in relation to complex and uncertain society. Student acquaint her/hisself with theoretical background of planning and the ways it is intertwined with practices of planning. Besides that, student also learn to interpret how theory and practice of planning appear in regional development and regional policy.

**Contents:**

Theory and practice of planning as a part of regional development and regional policy.

**Mode of delivery:**

Book exam.

**Learning activities and teaching methods:**

Book exam.

**Target group:**

Students specializing in Regional Development and Policy, voluntary for others.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

- Hillier J & P Healey (2010) (eds.) The Ashgate research companion to planning theory: conceptual challenges for spatial planning. The test does not include the following chapters: 3, 8, 10, 12, 14 and 16. All the other content will be included in the test.

**Assessment methods and criteria:**

Exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Jonne Hytönen

**Working life cooperation:**

No.

**Other information:**

Exchange students are asked to contact the teacher before registration.

**792301A: Economic Geography and its Applications, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

International students can carry out the course by taking an examination that includes a book and an article package, and by doing the practicals (a brief essay and a seminar). The examination, essay and the seminar can be carried out in English.

**Timing:**

2nd year, 1st semester (autumn semester)

**Learning outcomes:**

The course approaches economic geography as applied to the perspectives of regional development and policy. The aim of the course is to familiarize the student with current issues and related theoretical debates in economic geography. After the course, student is able to outline the main features of the central theories in economic geography, and to apply these theories in the context of regional development and policy.

**Contents:**

The literature examines economic geography from varied angles, with an emphasis on regional development and policy. In the essay, students will deepen the content of the lectures through the means of theory and practical case studies.

**Mode of delivery:**

Literature examination (book and article package), essay and seminar

**Learning activities and teaching methods:**

Literature examination (book and article package), essay and seminar

**Target group:**

Obligatory for students of the regional development and regional policy, others voluntary.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies of regional development and regional policy.

**Recommended or required reading:**

Pike, Andy, Rodríguez-Pose, Andrés & Tomaney, John (2006). *Local and Regional Development*. Routledge, London. Article package.

**Assessment methods and criteria:**

Examination (book and article package), essay and seminar.  
Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Toni Ahlqvist

**Working life cooperation:**

No.

**Other information:**

Exchange students are asked to contact Toni Ahlqvist before taking the course.

**792319A: Regional politics, policy and development: Northern Europe, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English. English speaking students should contact Eeva-Kaisa Prokkola before the course.

**Timing:**

2nd year, 1st semester (autumn semester)

**Learning outcomes:**

The student can categorise and assort basic theories, concepts and models in regional development and regional policy. He/she is able to discuss based on theories, concepts and models, and he/she is able to recognise those from scientific readings. The student also recognises the challenges and special characters of regional development and regional policy in Northern Europe.

**Contents:**

Theories, concepts and models of regional development and regional policy and their relation to practical actions, challenges and decision making.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

Scientific essay and 12 hrs reading circle.

**Target group:**

Obligatory for the students of regional development and regional policy, others voluntary.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies of regional development and regional policy.

**Recommended or required reading:**

To be announced later (book and articles).

**Assessment methods and criteria:**

scientific essay and reading circle (obligatory participation).  
Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Vilhelmiina Vainikka

**Working life cooperation:**

No.

**Other information:**

Exchange students are asked to contact Mrs. Vainikka before taking this course.

**790305A: Special themes in Human Geography, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Paasi Anssi

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st year, 2nd semester.

**Learning outcomes:**

After lectures the student is familiar with the research fields of cultural geography of the department and their research practices.

**Contents:**

The aim is to make student to interpret and understand cultural reality in geographical way. Lectures will lead to the selected themes of the cultural geography.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

20 hrs lectures and a study circle

**Target group:**

Obligatory for students of Human Geography and HG-orientated teachers.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of the minor studies of Geography for students of Biology (teachers). This course is possible to perform by substituting book exam (790348A).

**Recommended or required reading:**

Reading circle:

- Häkli, J. (1999). Meta hodos: johdatus ihmismaantieteeseen. 231 s.

Exam

- Other readings, to be announced later.

**Assessment methods and criteria:**

Exam on exam day and participation in reading circle  
 Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Anssi Paasi and Tuomo Alhojärvi

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

**790303A: Special themes in Physical Geography, 5 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Janne Alahuhta

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st year, 2nd semester.

**Learning outcomes:**

After this course, the student is able to define and interpret the phenomena of physical nature.

**Contents:**

Special characteristics of northern nature. GIS in environmental research.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

8 hrs lectures, 20 hrs practicals and report.

**Target group:**

Obligatory for students of Physical Geography and teachers.

**Prerequisites and co-requisites:**

GIS Basics and Cartography (790101P)

**Recommended optional programme components:**

Course is part of the minor studies of Geography. Course is also possible to perform by substituting book exam (790346A)

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Learning diary and report.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Janne Alahuhta

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

**790310A: Field course in Physical Geography, 5 op**

**Voimassaolo:** - 31.07.2018

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Janne Alahuhta

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

790324A Field course in Physical Geography 10.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st year, 2nd semester (and next August).

**Learning outcomes:**

After the field course, the student is able "to read" the nature and use common field methods in Physical Geography.

**Contents:**

Bedrock, soil, vegetation, water, air - by testing various natural elements and making field research the aim is to learn how these things are combined together.

**Mode of delivery:**

Face-to-face learning and field working.

**Learning activities and teaching methods:**

Field course is on August. 20 hrs lectures and 100 hrs field working.

**Target group:**

Obligatory for students of Physical Geography and teachers.

**Prerequisites and co-requisites:**

Course 790102P have to be done before field course.

**Recommended optional programme components:**

Course is part of the minor studies of Geography.

**Recommended or required reading:**

Selected articles.

**Assessment methods and criteria:**

Exam during the field work and practicals as well as report.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Janne Alahuhta

**Working life cooperation:**

Yes.

**Other information:**

Only in Finnish.

**790161A: Tourism, sustainability and environment, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Kaarina Tervo-Kankare

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay790161A Tourism, sustainability and environment (OPEN UNI) 4.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

2nd year, 1st semester (autumn semester)

**Learning outcomes:**

After the course student can define the role of the sustainable development for tourism industry and he/she can evaluate and verify different impacts of the tourism for sustainable development.

**Contents:**

Special questions of the sustainable development in the field of tourism research.

**Mode of delivery:**

Face-to-face learning

**Learning activities and teaching methods:**

Lectures, self study, group work, web-based work, essay. To be confirmed at the first lecture.

**Target group:**

Students of geography who will specialize to Tourism Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies tourism geography.

**Recommended or required reading:**

- Fennel, David A (1999 or later version). Ecotourism – an introduction (partly).
- Articles (announced during lectures).

**Assessment methods and criteria:**

Written exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Kaarina Tervo-Kankare

**Working life cooperation:**

No.



**790320A: Tourism planning and development, 5 op****Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Field of Geography**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay790320A Tourism planning and development (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

3 year, 2nd semester (spring semester).

**Learning outcomes:**

After this course, student understands the relationship between tourism planning and regional development and he/she knows the most central models of planning and development in local, regional and national level. He/she knows the starting points of the tourism policy in local and European level, the background aspects of the tourism policy.

**Contents:**

Concepts and theories of the tourism development and tourism planning, economic impacts in regional level and basic aspects of the tourism policy and regional tourism strategies.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

16 hrs lectures, written seminar work and presentation, exam.

**Target group:**

Students who're specialising to Tourism Geography. Course is part of minor studies tourism geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies tourism geography.

**Recommended or required reading:**

- Hall, C.M. (2000). Tourism Planning: Policies, Processes and Relationships. 236 s. Prentice Hall, Harlow.
- Fennel, David A. (1999 or later version). Ecotourism – an introduction (partly).

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.**Grading:**

1–5.

**Person responsible:**

Kaarina Tervo-Kankare

**Working life cooperation:**

No.

**Other information:**

Written exam can be written also in Finnish. Written seminar work and presentation is in English. If needed, this course can be organised as written exam and practical's.

**790321A: Field course in Human Geography, 5 op**

**Voimassaolo:** 01.08.2006 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

2nd year, 2nd semester.

**Learning outcomes:**

Student is able to use basic field methods in Human Geography in different research situations and phases. Student can analyse the collected data and realizes the limitations and advances of different types of data that is collected from the field.

**Contents:**

During the course the students will be familiarized to different field methods of Human Geography.

**Mode of delivery:**

Face-to-face learning and field works.

**Learning activities and teaching methods:**

4 hrs preliminary lectures, 50 hrs practicals and seminar.

**Target group:**

For the students of Human Geography, Geoinformatics, Tourism Geography and Regional development and regional policy.

**Prerequisites and co-requisites:**

Course "Qualitative research methods" have to be done.

**Recommended optional programme components:**

Course is part of the minor studies of Geography.

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Seminar report.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Vilhelmiina Vainikka

**Working life cooperation:**

Yes. Field work methods.

**Other information:**

Only in Finnish.

**790326A: Qualitative research methods, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

2nd year, 2nd semester.

**Learning outcomes:**

Students understand the starting points in qualitative research and perceive the different phases of research projects. They also understand the basic factors behind analyzing the data.

**Contents:**

The lectures introduce the main concepts, viewpoints and methodologies in qualitative research. During the exercises students read and analyze relevant articles.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

8 hrs lectures, 20 hrs practicals, seminar report.

**Target group:**

For the students of Human Geography, Geoinformatics, Tourism Geography and Regional development and regional policy.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies of Geography and the themes of this course continues in the course "Field course in human geography".

**Recommended or required reading:**

To be announced later.

**Assessment methods and criteria:**

Preparing the report.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Vilhelmiina Vainikka

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

## 791302A: Environment and society, 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Rusanen Jarmo Juhani

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay791302A Environment and society (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

2nd year, 1st semester (autumn semester).

**Learning outcomes:**

Student is able to define and interpret different normative systems of the environmental conservation, environmental organisations as part of the environmental issues.

**Contents:**

Current environmental issues, environmental guidance system, environment as conflict.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

Lectures (8 h) and seminar work.

**Target group:**

Voluntary.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies of Environment protection (also able to students of Georaphy).

**Recommended or required reading:**

Will be announced.

**Assessment methods and criteria:**

Written seminar report.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Jarmo Rusanen

**Working life cooperation:**

No.

**Other information:**

Exchange students are asked to contact prof. Rusanen before taking this course.

**790340A: Geographies of global development, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay790340A Geographies of global development (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish or English.

**Timing:**

2nd or 3rd year, 1st or 2nd semesters (autumn or spring semesters).

**Learning outcomes:**

This course gives knowledge of global development problems from geographical point of view. After the course the student can explain what development indicates and what kind of social and economic phenomena will explain both development and under development. He/she is also able to compare different actions that are aimed to diminish the uneven development based on different theories and strategies.

**Contents:**

The course familiarizes students to the theories that aim to explain differences in uneven development. Under development, and its social, cultural and economic aspects will be studied from national, regional and local level. This course also requires to political programs and strategies that are aimed to stabilize and equalize uneven development.

**Mode of delivery:**

Book exam.

**Learning activities and teaching methods:**

Book exam.

**Target group:**

Compulsory for teachers, others obligatory.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

- Potter, R.B.T, T. Binns, J.A.Elliot & D.Smith (2004). Geographies of development.

**Assessment methods and criteria:**

Exam on examination.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Jarmo Rusanen

**Working life cooperation:**

No.

**790346A: Nature conservation: a geographic perspective, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

2nd or 3rd year, 1st or 2nd semester.

**Learning outcomes:**

Student is able to define and apply the most essential concepts of the discipline from the view point of Physical Geography.

**Contents:**

The student deepen his/her geographical way of thinking according to his/her interest by reading the material of Physical Geography and thus substitutes the course "Special themes in Physical Geography" (790303A).

**Mode of delivery:**

Book exam.

**Learning activities and teaching methods:**

Book exam.

**Target group:**

Voluntary, substitutes the course "Special themes in Physical Geography" (790303A).

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Exam is only in Finnish.

The collection of articles is able to ask from responsible person of the course.

**Assessment methods and criteria:**

Exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Terhi Ala-Hulkko

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

**790347A: Book exam, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Tuomo Alhojärvi

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

2nd or 3rd year, 1st or 2nd semester.

**Learning outcomes:**

Student recognizes and interprets the connections of the geographical teaching and aspects of everyday life.

**Contents:**

Multiplies geography studies in sense of teaching.

**Mode of delivery:**

Book exam or essay

**Learning activities and teaching methods:**

Book exam or essay.

**Target group:**

For the students of geography teaching.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies of Geography for teachers.

**Recommended or required reading:**

Two books:

Koskela, H. (2009) Pelkokierre. Pelon politiikka, turvamarkkinat ja kamppailu kaupunkitilasta. 397 p.

Smith et al. (2009) Emotion, place and culture. 311 p. Pages 1–243 for the exam.

N.B.: Exam is possible to perform only in Finnish.

**Assessment methods and criteria:**

Exam on examinarium or essay.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Tuomo Alhojärvi

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

**790348A: Substituting written exam (Hum.g), 5 op**

**Voimassaolo:** - 31.07.2021

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Tuomo Alhojärvi

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

2nd or 3rd year, 1st or 2nd semester.

**Learning outcomes:**

Student is able to define and apply the most essential concepts of the discipline from the view point of Human Geography.

**Contents:**

The student deepen his/her geographical way of thinking according to his/her interest by reading the material of Human Geography and thus substitutes the course "Special themes in Human Geography" (790305A).

**Mode of delivery:**

Book exam or essay.

**Learning activities and teaching methods:**

Book exam or essay.

**Target group:**

Volyntary, substitutes the course "Special themes in Human Geography" (790305A).

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Anderson, J (2009). Understanding cultural geography. Places and traces. 212 p.

Horton, J. & Kraft, P. (2013). Cultural geographies. An introduction. 297 p.

**Assessment methods and criteria:**

Exam on examinarium or essay.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Tuomo Alhojärvi

**Working life cooperation:**

No.

**790349A: World regional geography, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Janne Alahuhta

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay790349A World regional geography (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

2nd or 3rd year, 1st or 2nd semester.

**Learning outcomes:**

After the course, the student can define and interpret different regional phenomena and processes in the global level.

**Contents:**

Regional phenomena of the world and their role in Physical Geography.

**Mode of delivery:**

Book exam.



**Learning activities and teaching methods:**

Book exam.

**Target group:**

Obligatory to the teachers, other voluntary.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of the minor studies of geography.

**Recommended or required reading:**

- Hobbs, Joseph J. (2013): Fundamentals of World Regional Geography, 3. painos. Brooks/Cole Cengage Learning, 443 s.

**Assessment methods and criteria:**

Exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Janne Alahuhta

**Working life cooperation:**

No.

**791635A: Physical Geography of Fennoscandia, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Janne Alahuhta

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay791635A Physical Geography of Fennoscandia (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English

**Timing:**

2nd or 3rd year, 1st or 2nd semester.

**Learning outcomes:**

Course familiarizes students to the geography of the Fennoscandia. When the student has passed the written exam, he/she can define the special characters of the physical geography of Fennoscandia

**Contents:**

Physical geography of the Fennoscandia.

**Mode of delivery:**

Book exam.

**Learning activities and teaching methods:**

Book exam.

**Target group:**

Obligatory for teachers, others voluntary.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of minor studies of Geography.

**Recommended or required reading:**

- Seppälä, Matti (ed.) (2005). Physical Geography of Fennoscandia, 1st ed. 432 p. Oxford University Press.

**Assessment methods and criteria:**

Exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Janne Alahuhta

**Working life cooperation:**

No.

**790319A: Development Towards Geography Subject Teacher Expertise, 5 op**

**Voimassaolo:** 01.08.2016 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

2nd autumn term

**Learning outcomes:**

Student understands the significance of the discipline as the foundation of the school geography. After the course student can describe and explain the contents and objectives of the geography curriculum in basic education and upper secondary school and can describe teacher's action in the classroom situations from the point of view of teaching geography. Student adapts and interprets experiences gained from the practical training period from the viewpoint of personal development towards subject teacher expertise and evaluates personal readiness as a teacher. During the course student learns to find and choose didactic literature which can be applied in geography teacher's work.

**Contents:**

Student becomes acquainted with the objectives and contents set for teaching that can be found from the basic education and upper secondary school curriculums and familiarizes with the work of the subject teacher. During the course student ponders the different fields of the discipline of the geography from the teacher's point of view in the context of basic education or upper secondary school and identifies personal strengths as a geography subject teacher. The student becomes acquainted with the using of didactic literature. During the course student writes a final report in which expertise as a geography teacher is reflected from the perspective of the discipline of geography.

**Mode of delivery:**

Independent studying

**Learning activities and teaching methods:**

Minimum of 6 lessons of familiarizing to geography subject teachers work is required. At least 3 of these lessons student is required to actively participate in the teaching. Method of participation is to be arranged with the subject teacher. Independent final report.

**Target group:**

Belongs to subject teacher-students, voluntary to others

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

It is agreed with the teacher in charge

**Assessment methods and criteria:**

Choice of lower or upper secondary school, familiarizing to teacher's work, final report

**Grading:**

Pass / Fail

**Person responsible:**

Katri Suorsa

**Working life cooperation:**

Yes, student familiarize the work of the geography teacher at lower or upper secondary school

**Other information:**

It is recommended to take this course before the subject teachers's pedagogic studies

**795300A: Courses taken abroad, 0 - 25 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

1-20 ECTS

**Language of instruction:**

-

**Timing:**

-

**Learning outcomes:**

Courses taken aboard (Erasmus-programme etc).

**Contents:**

Courses taken abroad.

**Mode of delivery:**

Student exchange

**Learning activities and teaching methods:**

-

**Target group:**

Geography students, voluntary

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Transcript of records.

**Grading:**

Pass / Fail

**Person responsible:**

Katri Suorsa

**Working life cooperation:**

-

**Other information:**

-

**806119P: A Second Course in Statistics, 5 op****Voimassaolo:** 01.06.2015 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Field of Mathematics**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

806113P Introduction to Statistics A 5.0 op

806109P Basic Methods in Statistics I 9.0 op

**ECTS Credits:**

5 ECTS credits

**Language of instruction:**

Finnish

**Timing:**

4th period

**Learning outcomes:**

Upon completion of the course, student will be able to

- analyze continuous and categorical response in the most common experimental and observational studies
- critically evaluate scientific articles
- implement and interpret analyses of a statistical software concerning issues of the course.

**Contents:**

- Skills for performing statistical analyses and inferences on the basis of data obtained in common experimental and observational studies are expanded and deepened
- statistical literacy of scientific articles with quantitative methods

**Mode of delivery:**

Face-to-face teaching

**Learning activities and teaching methods:**

Total 50 h face-to-face teaching including lectures and exercise (partly computer exercises). Independent work 83 h.

**Target group:**

Minor students

**Prerequisites and co-requisites:**

The recommended prerequisite prior to enrolling for the course is the completion of the course: 806118P Introduction to Statistics or 806116P Statistics for Economic Sciences.

**Recommended optional programme components:**

After the course, student is able to continue other statistics courses.

**Recommended or required reading:**

Lecture notes

**Assessment methods and criteria:**

Mid-term exams and/or final exam and possible homework.

**Grading:**

The course utilizes a numerical grading scale 1-5. In the numerical scale zero stands for a fail.

**Person responsible:**

Jari Pääkkilä

**Working life cooperation:**

No

**Other information:**

-

**806118P: Introduction to Statistics, 5 op**

**Voimassaolo:** 01.06.2015 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Mathematics

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay806118P Introduction to Statistics (OPEN UNI) 5.0 op

806113P Introduction to Statistics A 5.0 op

**ECTS Credits:**

5 ECTS credits

**Language of instruction:**

Finnish

**Timing:**

3rd period

**Learning outcomes:**

After completing the course, student will be able to

- consider issues influencing to data collection
- describe data by appropriate methods (tables, statistics and graphical presentations)
- evaluate the effect size of the sample to the margin of error for instance in Gallup polls and in different market researches
- interpret output of a statistical software.

**Contents:**

- collecting data, e.g. sampling
- variables and measuring
- descriptive statistical methods and their selection
- margin of error of estimator for population mean and proportion
- statistical literacy
- basic analysis of data using statistical software

**Mode of delivery:**

Face-to-face teaching

**Learning activities and teaching methods:**

Total 50 h face-to-face teaching including lectures and exercise (partly computer exercises). Independent work 83 h.

**Target group:**

Minor students

**Recommended optional programme components:**

After the course, student is able to continue other statistics courses.

**Recommended or required reading:**

Lecture notes

**Assessment methods and criteria:**

Mid-term exams and/or final exam and possible homework.

**Grading:**

Fail, 1-5

**Person responsible:**

Jari Pääkkilä

**Working life cooperation:**

No

**Other information:**

-

## 791601S: History and philosophy of geography, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

English

**Timing:**

1 MSc-year, 1st (or 2nd) semester.

**Learning outcomes:**

This course will deepen the students' knowledge of the historical development of Geography and its philosophical aspects. After the course the student can analyse and interpret philosophical aspects and different methodological approaches of Geography, the development of science and he/she can define the historical and methodological developments of Geography from its early days to contemporary world.

**Contents:**

Lectures will give an image of science and Geography, will teach geographical way of thinking, will lighten the most important turning points of the history and research of Geography. The themes of the (mini-)seminars will approach the geographical research from multiple points of view.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

20 hrs lectures, small presentations, essay seminar.

**Target group:**

Common course to all students of Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

To be announced in the first lecture.

**Assessment methods and criteria:**

Miniessays.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Oliver Belcher

**Working life cooperation:**

No.

## 791619S: Pro gradu thesis (Master Thesis), 30 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Diploma thesis

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

30 ECTS

**Language of instruction:**

Finnish, Swedish, English or other possible language which is agreed with professors.

**Timing:**

(1st or) 2nd year, 1st or 2nd semesters (autumn or spring semesters)

**Learning outcomes:**

Indicates that the student is able to carry out demanding and independent academic research work. Thesis shows that the student can write a Thesis which are based on material that he/she has studied and on basic concepts and phenomena of his/her field of specialization. In the Thesis the student can use the most central research methods, and can classify, analyse and evaluate his/her knowledge in relation to the tradition of the research field. The Thesis shows that the student can make accurate conclusions about the studied phenomena and he/she reflects those in relation to research tradition. Thesis is based on latest aspects of the field and also develops new research subjects and questions.

**Contents:**

The Thesis will deal with the subject that is approved by professor or other supervisor. The student will take part to Seminar (I, II, III) in Master Thesis (791631S).

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

Independent research report.

**Target group:**

Common course to all students of Geography.

**Prerequisites and co-requisites:**

Recommendation: all the Basic and Intermediate studies are finished and main part of Advanced studies are finished.

**Recommended optional programme components:**

–

**Recommended or required reading:**

–

**Assessment methods and criteria:**

Written Thesis.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

The Thesis will approved and grades the Departmental Council of the Department of Geography, 1–5.

**Person responsible:**

Professors.

**Working life cooperation:**

Yes. Master thesis can be carried out in wider research or development project.

**Other information:**

-

**791639S: Quantitative research methods in Geography, 5 op**

**Voimassaolo:** 01.08.2010 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st MSc-year, 1st semester.

**Learning outcomes:**

After this course the student can interpret and analyse the possibilities and limitations of the numeric data. Students can apply the most common quantitative methods in his/her own studies. The use on SPSS-program.

**Contents:**

Different phases of the quantitative research methods and databases. The use SPSS-program.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

6 hrs lectures, 45 hrs practicals, exercise work and exam.

**Target group:**

Common course to all students of Geography.

**Prerequisites and co-requisites:**

Introduction to statistics (806118P) and A second course in statistics (806119P)

**Recommended optional programme components:**

-

**Recommended or required reading:**

To be announced later.

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Joni Vainikka and Terhi Ala-Hulkko

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

**791631S: Seminar in master's thesis, 5 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Jan Hjort, Saarinen, Jarkko Juhani, Paasi Anssi, Toni Ahlqvist, Kaarina Tervo-Kankare, Rusanen Jarmo Juhani

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

(1st and) 2nd MSc-year, both semesters.

**Learning outcomes:**

Along with participating to seminars, the student can compare different view points of research and he/she can adapt his/her own Master thesis for wider picture of Geography. In the seminars, the student takes part to the geographical discussions and he/she can argue the results of his/her study.

**Contents:**

There are three types of seminars to carry out. Seminar I, which takes place in the beginning of the seminar- of last study year, is based on research questions, hypothesis, data, methods, preliminary structure of thesis etc. In Seminar II, the student will present the structure of the thesis, theoretical background and the guidelines the empirical field work. In Seminar III the final version of the Master Thesis will be presented. Co-student will act as an opponent. Working as an opponent is obligatory at least once per seminarperiod.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

Seminars.

**Target group:**

Common course to all students of Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

-



**Assessment methods and criteria:**

Participating to seminars.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / failed.

**Person responsible:**

Professors.

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

**791610S: Final examination, 5 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

(1st or) 2nd year, 1st or 2nd semesters (autumn or spring semesters)

**Learning outcomes:**

After the exam of this course, the student can define, interpret and evaluate thoughtfully about his/her field of specialisation and its research traditions, contemporary themes of research and future prospects. Recommended or required readings will deepen students' geographical knowledge in his/her special field ("home module").

**Contents:**

Written exam on readings that are related to the Master thesis.

**Mode of delivery:**

Book exam.

**Learning activities and teaching methods:**

Book exam.

**Target group:**

Obligatory to all students in Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Contact your own professor.

**Assessment methods and criteria:**

Written exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Professors

**Working life cooperation:**

No.

**791642S: Regional politics, policy and development: Advanced themes, 5 op**

**Voimassaolo:** 01.08.2010 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Heikki Sirviö

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st MSc-year, semester 1.

**Learning outcomes:**

Student can analyse regional development and regional policy from the view point of future studies.

**Contents:**

The course will deal with the methodology of future studies and their applications in the field of regional development and regional policy.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

16 hrs lectures, 40 hrs practicals and literature.

**Target group:**

Students specializing in Regional development and regional policy.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

The readings will be announced later

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Professor of Regional development and regional policy

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

## **791641S: Research and application of regional politics, policy and development, 5 op**

**Voimassaolo:** 01.08.2010 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st MSc year, 2nd semester.

**Learning outcomes:**

Student can use the basic elements of research work and can plan and carry out research project.

**Contents:**

Course focuses on central aspects of the research work in the field of regional development and regional policy.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

10 hrs lectures, 10 hrs guided practicals and 5 hrs seminar. Obligatory participation to all.

**Target group:**

Especially students of regional development and regional policy.

**Prerequisites and co-requisites:**

Thesis of BSc have to be done.

**Recommended optional programme components:**

-

**Recommended or required reading:**

To be announced.

**Assessment methods and criteria:**

Seminar report.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Eeva-Kaisa Prokkola

**Working life cooperation:**

Yes. This course gives skills to work in research projects.

**Other information:**

Only in Finnish.

## 791637S: Special research course in Geography, 5 op

**Voimassaolo:** 01.08.2009 - 31.07.2019

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish or English.

**Timing:**

1st or 2nd MSc-year, 1st or 2nd semester.

**Learning outcomes:**

The student will deepen and develop his/her geographical knowledge through literature or through empirical study.

More exact learning outcomes is based on method of implementation of the course (agreed with professor).

**Contents:**

This course serves the specialization of the student. After the course, the student has deepened his/her knowledge and experience in his/her field of specialization.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

This course may be performed by different ways. The student can: to make another final exam from other module; to carry out some other course from other module; work as research assistant; to make virtual course related to his/her field; to make manuscript based on his/her Master Thesis. Ways of performance can be discussed with professor.

**Target group:**

MSc-students of each module.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course can be selected from another module of advanced studies of Geography.

**Recommended or required reading:**

Will be agreed with professor.

**Assessment methods and criteria:**

Written exam on examinarium or other way of performance.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Professors

**Working life cooperation:**

Yes. Working in research or development projects gives completion for working after graduation.

**Other information:**

-

## 791610S: Final examination, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

(1st or) 2nd year, 1st or 2nd semesters (autumn or spring semesters)

**Learning outcomes:**

After the exam of this course, the student can define, interpret and evaluate thoughtfully about his/her field of specialisation and its research traditions, contemporary themes of research and future prospects. Recommended or required readings will deepen students' geographical knowledge in his/her special field ("home module").

**Contents:**

Written exam on readings that are related to the Master thesis.

**Mode of delivery:**

Book exam.

**Learning activities and teaching methods:**

Book exam.

**Target group:**

Obligatory to all students in Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Contact your own professor.

**Assessment methods and criteria:**

Written exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Professors

**Working life cooperation:**

No.

## 792617S: GIS Methods in Research, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Rusanen Jarmo Juhani

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st or 2nd MSc-year, 2nd semester.

**Learning outcomes:**

Course will deepen geographical thinking. After the course, a student is able to use analysing methods of GIS in practicals and in thesis works.

**Contents:**

Analysing methods of GIS and their application on research.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

14 hrs lectures.

**Target group:**

Especially GIS students.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

To be announced later, webpages of VirtualGIS.

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Jarmo Rusanen

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

## **791613S: Position based analyses and services in geography, 5 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Rusanen Jarmo Juhani, Ossi Kotavaara

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and also English at need

**Timing:**

1st or 2nd MSc-year, 2nd semester.

**Learning outcomes:**

The objective is that the student understands basics of GPS positioning, can use GPS devices, can collect location based data by GPS and positioning in research.

**Contents:**

Basics of GPS and hand held devices, collecting location based geographical information by GPS, GPS data transformations with GIS, research by using GPS data. Location based services (LBS).

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

20 h lectures, reading circle, exercises, demonstrations and field working. Integrating GPS and LBS data with GIS and research in theory and practice. Written report and seminar.

**Target group:**

Especially students of GIS.

**Prerequisites and co-requisites:**

GIS basics and cartography and Advanced course of GIS have to be done.

**Recommended or required reading:**

NOPPA Study Portal

**Assessment methods and criteria:**

Written report and seminar.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5

**Person responsible:**

Jarmo Rusanen, Ossi Kotavaara

**Working life cooperation:**

No.

**791637S: Special research course in Geography, 5 op**

**Voimassaolo:** 01.08.2009 - 31.07.2019

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish or English.

**Timing:**

1st or 2nd MSc-year, 1st or 2nd semester.

**Learning outcomes:**

The student will deepen and develop his/her geographical knowledge through literature or through empirical study. More exact learning outcomes is based on method of implementation of the course (agreed with professor).

**Contents:**

This course serves the specialization of the student. After the course, the student has deepened his/her knowledge and experience in his/her field of specialization.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

This course may be performed by different ways. The student can: to make another final exam from other module; to carry out some other course from other module; work as research assistant; to make virtual course related to his/her field; to make manuscript based on his/her Master Thesis. Ways of performance can be discussed with professor.

**Target group:**

MSc-students of each module.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course can be selected from another module of advanced studies of Geography.

**Recommended or required reading:**

Will be agreed with professor.

**Assessment methods and criteria:**

Written exam on examinarium or other way of performance.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Professors

**Working life cooperation:**

Yes. Working in research or development projects gives completion for working after graduation.

**Other information:**

-

**791640S: Contemporary themes in Social Geography, 5 op**

**Voimassaolo:** 01.08.2010 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Lauren Martin

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

English

**Timing:**

1st or 2nd MSc-year, 2nd semester.

**Learning outcomes:**

Students will be able to identify, define, interpret, and compare key concepts and empirical examples in contemporary social geography.

**Contents:**

Lectures and readings will introduce students to current themes in social geography, including: space and society, difference, mobility, law, identity, gender, race, ethnicity, citizenship, socioeconomic status, and belonging. Discussions will allow students to work through real-world examples using key social geographic concepts.

**Mode of delivery:**

In academic year 2015-16 the course is a book exam.

**Learning activities and teaching methods:**

Book exam in Examiarium

**Target group:**

Students of Human geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

To be announced before course starts.

**Assessment methods and criteria:**

Exam in examinarium

**Grading:**

1-5.

**Person responsible:**

Anssi Paasi

**Working life cooperation:**

No.

**791610S: Final examination, 5 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

(1st or) 2nd year, 1st or 2nd semesters (autumn or spring semesters)

**Learning outcomes:**

After the exam of this course, the student can define, interpret and evaluate thoughtfully about his/her field of specialisation and its research traditions, contemporary themes of research and future prospects. Recommended or required readings will deepen students' geographical knowledge in his/her special field ("home module").

**Contents:**

Written exam on readings that are related to the Master thesis.

**Mode of delivery:**

Book exam.

**Learning activities and teaching methods:**

Book exam.

**Target group:**

Obligatory to all students in Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Contact your own professor.

**Assessment methods and criteria:**

Written exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Professors

**Working life cooperation:**

No.

## 791621S: Political geography, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Paasi Anssi

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

English and/or Finnish.

**Timing:**

1st MSc-year, 2nd semester.

**Learning outcomes:**

A student will reach competence in the basics of today's political geography. He/she will understand the processes of territorialism also from the theoretical point of view.

**Contents:**

Introduction to political geography, it's themes and traditions, with empirical cases and theoretical insights. The main focus is on territorialism, borders (e.g. the institutionalization of the Finnish territory), intercultural confrontations and otherness.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

14 hrs lectures and a book exam.

**Target group:**

Students in Human and Cultural Geography.



**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

To be announced in the first lecture.

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.**Grading:**

1-5.

**Person responsible:**

Anssi Paasi

**Working life cooperation:**

No.

**Other information:**

This course is organized on every other year, next on spring semester 2017.

**791627S: Research in regional geography, 5 op****Opiskelumuoto:** Advanced Studies**Laji:** Course**Vastuuyksikkö:** Field of Geography**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Paasi Anssi**Opintokohteen kielet:** Finnish**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and/or English.

**Timing:**

1st or 2nd MSc-year, 2nd semester.

**Learning outcomes:**

The student can interpret the latest discourse of the regional geography and participate to it by connecting his/her own study to the discussed issues.

**Contents:**

The course focuses on the contemporary issues of new regional geography.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

Study circle, presentations, book exam.

**Target group:**

Students in Human and Cultural Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Cresswell Tim (2014) Place. 2nd edition. Wiley-Blackwell

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.**Grading:**

1-5.

**Person responsible:**

Anssi Paasi.

**Working life cooperation:**

No.

**Other information:**

Course is organized on every other year, next on spring 2016.

## **791637S: Special research course in Geography, 5 op**

**Voimassaolo:** 01.08.2009 - 31.07.2019

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

### **ECTS Credits:**

5 ECTS

### **Language of instruction:**

Finnish or English.

### **Timing:**

1st or 2nd MSc-year, 1st or 2nd semester.

### **Learning outcomes:**

The student will deepen and develop his/her geographical knowledge through literature or through empirical study. More exact learning outcomes is based on method of implementation of the course (agreed with professor).

### **Contents:**

This course serves the specialization of the student. After the course, the student has deepened his/her knowledge and experience in his/her field of specialization.

### **Mode of delivery:**

Face-to-face learning.

### **Learning activities and teaching methods:**

This course may be performed by different ways. The student can: to make another final exam from other module; to carry out some other course from other module; work as research assistant; to make virtual course related to his/her field; to make manuscript based on his/her Master Thesis. Ways of performance can be discussed with professor.

### **Target group:**

MSc-students of each module.

### **Prerequisites and co-requisites:**

-

### **Recommended optional programme components:**

Course can be selected from another module of advanced studies of Geography.

### **Recommended or required reading:**

Will be agreed with professor.

### **Assessment methods and criteria:**

Written exam on examinarium or other way of performance.

Read more about [assessment criteria](#) at the University of Oulu webpage.

### **Grading:**

1–5.

### **Person responsible:**

Professors

### **Working life cooperation:**

Yes. Working in research or development projects gives completion for working after graduation.

### **Other information:**

-

## **791610S: Final examination, 5 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

### **ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

(1st or) 2nd year, 1st or 2nd semesters (autumn or spring semesters)

**Learning outcomes:**

After the exam of this course, the student can define, interpret and evaluate thoughtfully about his/her field of specialisation and its research traditions, contemporary themes of research and future prospects. Recommended or required readings will deepen students' geographical knowledge in his/her special field ("home module").

**Contents:**

Written exam on readings that are related to the Master thesis.

**Mode of delivery:**

Book exam.

**Learning activities and teaching methods:**

Book exam.

**Target group:**

Obligatory to all students in Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Contact your own professor.

**Assessment methods and criteria:**

Written exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Professors

**Working life cooperation:**

No.

## 791626S: Methodological special themes in Physical Geography, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Jan Hjort

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**Required proficiency level:**

Quatitative research methods in Geography

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English if needed.

**Timing:**

1st or 2nd MSc-year, 2nd semester.

**Learning outcomes:**

The objective is that the student can critically apply spatial modelling methods to solve study problems in Physical Geography, understands the principles of the modelling techniques and acknowledges the importance of theory in scientific research.

**Contents:**

A special course that focuses on methodological literature and spatial modelling methods in Physical Geography. Spatial analysis and modelling are central development fields in Physical Geography. The course goes deeply into the spatial modelling of processes in Physical Geography utilizing novel analysis techniques. In addition, the focus is on scientific argumentation and importance of theory in spatial analysis. The course prepares the student for the preparation of MSc thesis.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

Lectures, practicals and practical work

**Target group:**

MSc students in Physical Geography.

**Prerequisites and co-requisites:**

Course Quantitative research methods in Geography have to be done.

**Recommended optional programme components:**

-

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Written report.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Professor Hjort and PhD student in Physical Geography.

**Working life cooperation:**

No.

**Other information:**

Course will be organized in English if needed.

**791636S: Remote sensing in Physical Geography, 5 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Jan Hjort

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish.

**Timing:**

1st or 2nd MSc-year, 1st semester.

**Learning outcomes:**

Student can use remote sensing techniques when he/she is compiling research data, analysing earth surface feature and solving research problems.

**Contents:**

Course gives an overview of remote sensing in physical geography.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

Lectures, reading circle, practicals and final report.

**Target group:**

Students of Physical Geography.

**Prerequisites and co-requisites:**

Advanced course in GIS have to be done.

**Recommended optional programme components:**

-

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Participation in reading circle and practicals and written report.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Jan Hjort.

**Working life cooperation:**

No.

**Other information:**

Only in Finnish.

**791624S: Research in northern environment, 5 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Jan Hjort

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Only in Finnish

**Timing:**

1st or 2nd MSc-year, 1st semester.

**Learning outcomes:**

The objective is that the student understands the key processes of northern environment by combining field observations with the theoretical knowledge gained from the literature.

**Contents:**

This course focuses on the special characteristic of Physical Geography in northern Fennoscandia. The aim is to combine the theoretical knowledge gained from the lectures and literature with the observations completed in the field to deepen the understanding of studied processes. The course prepares the student for the preparation of MSc thesis. This course focuses on the geomorphological, climatological and biogeographical phenomena in the context of global change. Study themes include periglacial processes, valley glaciers, weathering, mass movements, aeolian processes, vegetation zones, forest limit and the interaction of various phenomena.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

Field work, seminar and practicals

**Target group:**

MSc students in Physical Geography.

**Prerequisites and co-requisites:**

Physical Geography of Fennoscandia (book exam) have to be done.

**Recommended optional programme components:**

-

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Field work, seminar and practicals

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Professor Hjort and PhD student in Physical Geography.

**Working life cooperation:**

Yes. Working in the field will learn most important field work methods.

**Other information:**

Field work requires good physical condition and all-weather clothes.

**791637S: Special research course in Geography, 5 op**

**Voimassaolo:** 01.08.2009 - 31.07.2019

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish or English.

**Timing:**

1st or 2nd MSc-year, 1st or 2nd semester.

**Learning outcomes:**

The student will deepen and develop his/her geographical knowledge through literature or through empirical study. More exact learning outcomes is based on method of implementation of the course (agreed with professor).

**Contents:**

This course serves the specialization of the student. After the course, the student has deepened his/her knowledge and experience in his/her field of specialization.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

This course may be performed by different ways. The student can: to make another final exam from other module; to carry out some other course from other module; work as research assistant; to make virtual course related to his/her field; to make manuscript based on his/her Master Thesis. Ways of performance can be discussed with professor.

**Target group:**

MSc-students of each module.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course can be selected from another module of advanced studies of Geography.

**Recommended or required reading:**

Will be agreed with professor.

**Assessment methods and criteria:**

Written exam on examinarium or other way of performance.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Professors

**Working life cooperation:**

Yes. Working in research or development projects gives completion for working after graduation.

**Other information:**

-

## 791610S: Final examination, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

(1st or) 2nd year, 1st or 2nd semesters (autumn or spring semesters)

**Learning outcomes:**

After the exam of this course, the student can define, interpret and evaluate thoughtfully about his/her field of specialisation and its research traditions, contemporary themes of research and future prospects. Recommended or required readings will deepen students' geographical knowledge in his/her special field ("home module").

**Contents:**

Written exam on readings that are related to the Master thesis.

**Mode of delivery:**

Book exam.

**Learning activities and teaching methods:**

Book exam.

**Target group:**

Obligatory to all students in Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Contact your own professor.

**Assessment methods and criteria:**

Written exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Professors

**Working life cooperation:**

No.

**791637S: Special research course in Geography, 5 op**

**Voimassaolo:** 01.08.2009 - 31.07.2019

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish or English.

**Timing:**

1st or 2nd MSc-year, 1st or 2nd semester.

**Learning outcomes:**

The student will deepen and develop his/her geographical knowledge through literature or through empirical study. More exact learning outcomes is based on method of implementation of the course (agreed with professor).

**Contents:**

This course serves the specialization of the student. After the course, the student has deepened his/her knowledge and experience in his/her field of specialization.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

This course may be performed by different ways. The student can: to make another final exam from other module; to carry out some other course from other module; work as research assistant; to make virtual course related to his/her field; to make manuscript based on his/her Master Thesis. Ways of performance can be discussed with professor.

**Target group:**

MSc-students of each module.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course can be selected from another module of advanced studies of Geography.

**Recommended or required reading:**

Will be agreed with professor.

**Assessment methods and criteria:**

Written exam on examinarium or other way of performance.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Professors

**Working life cooperation:**

Yes. Working in research or development projects gives completion for working after graduation.

**Other information:**

-

## 791632S: Sustainable development and global tourism, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish and English.

**Timing:**

1 MSc-year, 2nd semester.

**Learning outcomes:**

Following completion of the course the learner will be able to: know the definitions, origins and evolution of globalisation and sustainable development; apply the principles and theories which underpin the different forms of tourism, globalisation and sustainability; demonstrate an understanding of the complex relations between tourism and sustainable development in global contexts; explain the role played by international, national and regional tourism organisations in the global tourism development; evaluate the role and impacts of tourism in local-global nexus; compare the role and importance of tourism in developed and developing countries, urban and rural settings and nature-based and cultural tourism; critique the major global forces that are shaping future tourism and its relation sustainability; and demonstrate competencies in oral and written presentations and ability to critically evaluate others' viewpoints.

**Contents:**

Definitions and key concepts and ideas of tourism, globalisation and sustainable development and their relations; theories of development/under-development and globalisation; political economy of global tourism and sustainability; local-global nexus and globalisation from below; international, regional and national tourism organizations; global tourism; regional structures and development; impacts of tourism in local-global nexus and different socio-spatial contexts; and tourism-globalisation-sustainability: case studies focusing north and south.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

20 hrs lectures, written report and presentation.

**Target group:**

Especially students in Tourism Geography, and Human Geography and teachers.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Literature:

- Mowforth, M. ja I. Munt (2009). Tourism and Sustainability.
- Selection of articles: (to be announced during the course)

Other readings:



- Butler, R. ja T. Hinch (toim.) (2007). Tourism and Indigenous Peoples;
- Holden, A. (2008). Environment and tourism;
- Saarinen, J., Becker, F., Manwa, H. ja D. Wilson (toim.) (2009). Sustainable Tourism and Southern Africa;
- Sharpley, R. ja D.J. Telfer (2002). Tourism and Development;
- Saarinen, J. Rogerson, C, ja H. Manwa (toim.) (2012). Tourism and Millennium Development Goals.

**Assessment methods and criteria:**

Written report and exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Mark Griffiths

**Working life cooperation:**

No.

**Other information:**

-

## 791629S: Traditions and current issues in tourism research, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Kaarina Tervo-Kankare

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay791629S Traditions and current issues in tourism research (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish/English

**Timing:**

1st or 2nd MSc-year, 2nd semester.

**Learning outcomes:**

Following completion of the course the learner will be able to deepen her/his knowledge on the research tradition and current issues in tourism geographies and studies based on the visiting scholars' and PhD students' lectures and demonstrations. The course will provide insights to students on timely issues in tourism research, development, planning and/or management, and the learner will be able to: know and describe the basic concepts and theories of lecture/course subjects; evaluate the importance of lecture/course subjects; contextualise and integrate lecture/course subjects to Finnish or other specific regional context; and demonstrate competencies in oral and written presentations, teamwork and ability to critically evaluate others' viewpoints.

**Contents:**

Key theories, concepts and perspectives introduced during the course and based on the introduced cases studies.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

16 hrs lectures, learning diary and exam or report.

**Target group:**

Especially students of Tourism Geography.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Will be announced when the course starts.

**Assessment methods and criteria:**

Written exam on exam day and making learning diary.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5.

**Person responsible:**

Kaarina Tervo-Kankare and Eva Kaján

**Working life cooperation:**

No.

**Other information:**

This course will be organized uneven years. Next time this course will be in semester 2, 2017 (or, if possible in every year). Alternatively, this course may be performed by case study based on recent literary and its written and oral presentation.

**795600S: Courses taken abroad, 0 - 25 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

-

**Language of instruction:**

Finnish or English.

**Timing:**

1st or 2nd MSc-years.

**Learning outcomes:**

-

**Contents:**

Studies made in student exchange that cannot substitute from study plan of Geography.

**Mode of delivery:**

-

**Learning activities and teaching methods:**

-

**Target group:**

-

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Compensation must be agreed with professor of each specialization field.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

-

**Person responsible:**

Katri Suorsa

**Working life cooperation:**

-

**Other information:**

-

**795601S: Courses taken at other universities and colleges, 0 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

-

**Language of instruction:**

Finnish or English.

**Timing:**

MSc-studies.

**Learning outcomes:**

-

**Contents:**

-

**Mode of delivery:**

-

**Learning activities and teaching methods:**

Studies which are performed outside of the University of Oulu.

**Target group:**

-

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Agreed with professor.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

-

**Person responsible:**

Katri Suorsa

**Working life cooperation:**

-

**Other information:**

-

## **791633S: International lectures, 2 op**

**Voimassaolo:** - 31.07.2020

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

2 ECTS

**Language of instruction:**

Finnish or English.

**Timing:**

1st or 2nd MSc-year, 1st or 2nd semester.

**Learning outcomes:**

With international lectures the student can evaluate and compare different research fields of geography.

**Contents:**

The aim of the course is to integrate the visiting scholars' (Erasmus or other) teaching to the teaching. International lectures give wider picture about research and teaching of Geography in other countries and traditions.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

Students must take part to seven (7) lectures which are 1–2 hours per each. Based on those lectures, the student will make a report in Finnish or in English. Lectures can be collected during several years. However, if certain lecture is part of his/her normal or obligatory studies in Geography, it cannot be combined to this course.

**Target group:**

Voluntary.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

This course may include lectures from other courses or departments.

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Study diary based on lectures.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass/failed.

**Person responsible:**

Katri Suorsa

**Working life cooperation:**

No.

**Other information:**

-

## 791616S: Practical training, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Practical training

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish or other.

**Timing:**

1st or 2nd MSc-year, 1st or 2nd semester.

**Learning outcomes:**

Student will get to know actual work of geographer.

**Contents:**

Working in public or private sector.

**Mode of delivery:**

Practical work (least 1,5 months).

**Learning activities and teaching methods:**

Written report.

**Target group:**

Voluntary.

**Prerequisites and co-requisites:**

Degree of BSc.

**Recommended optional programme components:**

-

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Written report will be returned to the officer of study affairs.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass/failed.

**Person responsible:**

Katri Suorsa

**Working life cooperation:**

Yes. Working in the field of geography.

**Other information:**

More information about applying the financial from the officer of study affairs.

## Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

### 791630S: Book exam geoinformatic, 3 - 5 op

**Voimassaolo:** - 31.07.2020

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opettajat:** Rusanen Jarmo Juhani

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

3-5 ECTS

**Language of instruction:**

Finnish/English

**Timing:**

1st MSc-year, 2nd semester.

**Learning outcomes:**

Student increases her/his knowledge of other applications in geoinformatics

**Contents:**

Student does a book examination on geoinformatics related literature based on different applications issues.

**Mode of delivery:**

Book exam

**Learning activities and teaching methods:**

Book exam

**Target group:**

Part of GIS minor studies

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

Ask professor Rusanen

**Assessment methods and criteria:**

Exam on examinarium.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5

**Person responsible:**

Professor Rusanen

**Working life cooperation:**

No

**Other information:**

-

### 802336A: Introduction to Cryptography, 5 op

**Voimassaolo:** 01.06.2016 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Mathematics

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay802336A Introduction to Cryptography (OPEN UNI) 5.0 op

801346A Introduction to Cryptography 4.0 op

**ECTS Credits:**

5 ECTS credits

**Language of instruction:**

Finnish

**Timing:**

2. year or later

**Learning outcomes:**

After completing the course, student

- knows the principles of some traditional symmetric key methods
- knows how public key methods (RSA, discrete logarithm, knapsack) work
- is familiar with the possibility to use and apply number theory in cryptography

**Contents:**

The course considers some traditional symmetric key methods (affine system, matrix cryptography) and three public key methods, namely RSA, discrete logarithm and knapsack.

**Mode of delivery:**

Face-to-face teaching

**Learning activities and teaching methods:**

28 h lectures, 14 h exercises

**Target group:**

Major and minor students

**Prerequisites and co-requisites:**

Compulsory basic and intermediate studies in mathematics.

**Recommended or required reading:**

Lecture notes

**Assessment methods and criteria:**

Final exam

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5, fail

**Person responsible:**

Tapani Matala-aho

**Working life cooperation:**

No

## 790620S: Tourism planning and development, 5 op

**Voimassaolo:** 01.01.2015 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Field of Geography

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** English

**ECTS Credits:**

5 ECTS

**Language of instruction:**

English.

**Timing:**

1st MSc-year, 2nd semester.

**Learning outcomes:**

After this course, student understands the relationship between tourism planning and regional development and he /she knows the most central models of planning and development in local-global nexus. Student knows the starting points of the tourism policy in different scales, the background aspects of the tourism policy and current trends in regional, national and transnational tourism development and management thinking.

**Contents:**

Concepts and theories of the tourism development and tourism planning, economic and policy connections and impacts in regional level and basic aspects of the tourism policy and regional tourism strategies.

**Mode of delivery:**

Face-to-face learning.

**Learning activities and teaching methods:**

18 hrs lectures, written seminar work and presentation, exam.

**Target group:**

Students doing the Tourism Geographies Double Degree (DD). Other students based on pre-agreement.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

Course is part of the Tourism Geographies Double Degree (DD).

**Recommended or required reading:**

- Hall, C.M. (2000). Tourism Planning: Policies, Processes and Relationships. 236 s. Prentice Hall, Harlow.
- Fennel, David A. (1999 or later version). Ecotourism – an introduction (partly).
- Article material (agreed during the course)

**Assessment methods and criteria:**

Exam on exam day.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1–5.

**Person responsible:**

Kaarina Tervo-Kankare

**Working life cooperation:**

No

**Other information:**

Exam, written seminar work and presentations are in English. If needed and possible, this course can be organised as written exam and report based on pre-agreement.