

Opasraportti

Open University - Science (2014 - 2015)

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

ay521495A: Artificial Intellig (OPEN UNI), 5 op
 ay811379A: Basics of Human Computer Interaction (OPEN UNI), 5 op
 ay752321A: Conservation of Biodiversity (OPEN UNI), 3 op
 ay752175P: Environmental ecology (OPEN UNI), 5 op
 ay790101P: GIS-basics and Cartography (OPEN UNI), 5 op
 ayA320304: Geography, minor (OPEN UNI), 30 op
 ay811171P: Humans as Users and Developers of Information Technology (OPEN UNI), 4 op
 ayA325901: Information Processing Science, basic studies (OPEN UNI), 25 op
 ay811169P: Introduction to Information Systems Design (OPEN UNI), 6 op
 ay780112P: Introduction to Organic Chemistry (OPEN UNI), 4 op
 ay811174P: Introduction to Software Business (OPEN UNI), 5 op
 ay765103P: Introduction to astronomy (OPEN UNI), 3 op
 ay810136P: Introduction to information processing sciences (OPEN UNI), 5 op
 ay790141P: Introduction to planning geography (OPEN UNI), 5 op
 ay790104P: Introduction to systematic humangeography (OPEN UNI), 5 op
 ay790152P: Introduction to the discipline of geography (OPEN UNI), 5 op
 ay790102P: Introduction to the systematic physical geography (OPEN UNI), 5 op
 ay790160A: Introduction to tourism geography (OPEN UNI), 5 op
 ay750116P: Legislation in environmental protection (OPEN UNI), 5 op
 ay750316A: Legislation in environmental protection (OPEN UNI), 5 op
 ay802158P: Mathematics for Economic Sciences (OPEN UNI), 7 op
 ay815653S: Open Source Software Development (OPEN UNI), 4 op
 ay806116P: Statistics for Economic Sciences (OPEN UNI), 5 op
 ay790165P: Substitutive course on Tourism (OPEN UNI), 5 op
 ay790161A: Tourism, sustainability and environment (OPEN UNI), 4 op

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

ay521495A: Artificial Intellig (OPEN UNI), 5 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opettajat: Esa Rahtu

Opintokohteen kielet: Finnish

Leikkaavuudet:

521495A Artificial Intelligence 5.0 op

ECTS Credits:

5

Language of instruction:

In Finnish. The exam and coursework can be passed in English.

Timing:

Periods 4-5.

Learning outcomes:

After taking the course, the student is able to identify the types of problems that can be solved using methods of artificial intelligence. The student knows the basic concepts of intelligent agents, the common search methods used in artificial intelligence, logic based reasoning and applying planning techniques to problems of artificial intelligence. The student can also apply simple methods to reasoning under uncertainty and machine learning from observation. In addition the student will be able to implement the most common search methods.

Contents:

1. Introduction, 2. Intelligent agents, 3. Solving problems by searching, 4. Informed search and exploration, 5. Constraint satisfaction problems, 6. Games, 7. Logical agents, 8. First-order logic, 9. Inference in first-order logic, 10. Planning, 11. Uncertainty, 12. Bayesian Networks, 13. Learning from observation.

Mode of delivery:

Face-to-face teaching.

Learning activities and teaching methods:

25 hours of lectures and a programming exercise (approximately 25 hours) during periods 4-5, the rest as independent work.

Target group:

Computer Science and Engineering students and other Students of the University of Oulu.

Prerequisites and co-requisites:

Programming skills.

Recommended optional programme components:

The course is an independent entity and does not require additional studies carried out at the same time.

Recommended or required reading:

Primary text book and slides (in English): Russel S., Norvig P.: Artificial Intelligence, A Modern Approach (AIMA), Second Edition, Prentice Hall, 2003. Lecture notes (in Finnish): Syrjänen, M.: Tietämystekniikan peruskurssin luentomoniste, Teknillinen korkeakoulu, 2004. More details on the course WWW page <http://www.ee.oulu.fi/research/imag/courses/ai/>.

Assessment methods and criteria:

The course is passed with a final exam and a passed programming exercise.

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

Grading:

1-5 / fail.

Person responsible:

Professor Matti Pietikäinen, 2013 Esa Rahtu.

Working life cooperation:

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ay811379A: Basics of Human Computer Interaction (OPEN UNI), 5 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

811379A Basics of Human Computer Interaction 5.0 op

ECTS Credits:

5 ECTS credits/134 hours of work

Language of instruction:

Finnish

Timing:

Timing: 2nd year, spring semester, period 4

Learning outcomes:

After completing the course, a student is able to define the basic concepts of user interface design, introduce the basic design process and its steps, the most common design and evaluation methods and tasks, and apply them in the context of graphic user interface design.

Contents:

The terminology and fundamental concepts of the area, user interface, usability, interaction model and context, elements and navigation related to common windowed systems, basics of interaction design process, common usability and design rules, evaluation techniques, universal design and user support.

Mode of delivery:

Face-to-face teaching/blended teaching

Learning activities and teaching methods:

Lectures 20h, assignments and tutoring or one larger assignment 67h, exam preparation and an exam 47h.

Target group:

Prerequisites and co-requisites:

Course "Humans as Users and Developers of Information Technology" (811171P) or similar knowledge.

Recommended optional programme components:

Recommended or required reading:

Dix et al. (2004, 3rd edition or later edition) Human-Computer Interaction or related course books and study materials.

Assessment methods and criteria:

Assessment methods: assignment 50%, exam 50%

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

Grading:

1-5

Person responsible:

Anna-Liisa Syrjänen

Working life cooperation:

No

ay752321A: Conservation of Biodiversity (OPEN UNI), 3 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen oppimateriaali:

Kuuluvainen, T., , 2004

Walls, M. & Rönkä, M., , 2004

Tiainen et al., , 2004

Opintokohteen kielet: Finnish

Leikkaavuudet:

752321A Conservation of Biodiversity 3.0 op

ECTS Credits:

3 cr.

Language of instruction:

English.

Timing:

B.Sc. 3rd autumn. NNE.

Learning outcomes:

Students know the central concepts of biodiversity, threats to biodiversity, and methods of conservation of biodiversity.

Contents:

Biodiversity and its components. Major theories of the ecological control of biodiversity. Habitat fragmentation and habitat destruction and their consequences. Metapopulation theory and networks of nature reserves. Current issues in the conservation of biodiversity.

Mode of delivery:

Face-to-face teaching.

Learning activities and teaching methods:

14 h lectures, literature, exam.

Target group:

Biology students. Students who are participating in environmental conservation or tourism minor.

Prerequisites and co-requisites:

No.

Recommended optional programme components:

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Recommended or required reading:

Hanski I. 2005: The Shrinking World. International Ecology Institute, Oldendorf/Luhe, Germany.

The availability of the literature can be checked from [this link](#).

Assessment methods and criteria:

Exam.

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

Grading:

1-5 / Fail.

Person responsible:

Prof. Jari Oksanen.

Working life cooperation:

No.

Other information:

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ay752175P: Environmental ecology (OPEN UNI), 5 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

752175P Environmental ecology 5.0 op

ay790101P: GIS-basics and Cartography (OPEN UNI), 5 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

790101P GIS-basics and Cartography 5.0 op

ECTS Credits:

3 or 5 ECTS

Language of instruction:

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

Timing:

1 year, 2nd semester (spring semester)

Learning outcomes:

Course gives basic information about Geographical Information System and about the theory of cartography. After the course the student can use GIS programs and he/she is able to produce cartographic presentations.

Contents:

Basics of GIS, theories of cartography and statistical graphics and use of GIS program (MapInfo).

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:

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Recommended optional programme components:

Course is part of the minor studies of GIS.

Recommended or required reading:

Paul A Longley, Michael G Goodchild, David J. Maguire & David W. Rhind (2005). Geographic Information Systems and Science. 2nd edition. 516 p

(Peltonen, A. (1988). Peruskartografia. Helsingin yliopiston maantieteen laitoksen opetusmonisteita 32. www-pages 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:

Professor Rusanen

Working life cooperation:

No

Other information:

English speaking students are asked to contact prof. Rusanen before the course.

ayA320304: Geography, minor (OPEN UNI), 30 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: Basic Studies

Laji: Study module

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

ay811171P: Humans as Users and Developers of Information Technology (OPEN UNI), 4 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

811171P Humans as Users and Developers of Information Technology 4.0 op

ECTS Credits:

ECTS credits: 4 ECTS credits/108 hours of work

Language of instruction:

Finnish

Timing:

1st year, autumn semester, period 2

Learning outcomes:

After completing the course, students will be able to examine humans as both users and developers of information technology. The student learns core concepts of the phenomenon, and understands their meaning in relation to practice. Students are also familiar with the background of usability research and some of its scientific theories. Students are able to observe and specify a variety of use situations and user experiences of information technologies. Students also understand the challenges of the information technology developers when targeting to create pleasant use experiences for the users of these technologies. After completing the course, students also realize they have started their own journey to become an expert in information technology development.

Contents:

The key themes and concepts of the course are the diversity of information technology, humans as users and developers of information technology, usability, use and user experience, user-centred design.

Mode of delivery:

Face-to-face teaching and self-studying supported with web-based learning.

Learning activities and teaching methods:

Lectures (24h), lecture tasks, exam and work on separate written tasks (about 84h)

Target group:

Recommended or required reading:

Antti Oulasvirta (ed.): "Ihmisen ja tietokoneen vuorovaikutus" (2011), parts I and II. In addition, the material during lectures and other supplementary material.

Assessment methods and criteria:

Course assessment is mainly based on the pre-assignment, lecture assignments, exam and individual essay. In addition, one may improve one's own grade by optional advanced assignment. Assessment criteria will be available in the web-based learning environment.

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

Grading:

1-5

Person responsible:

Tonja Molin-Juustila

Working life cooperation:

No

ayA325901: Information Processing Science, basic studies (OPEN UNI), 25 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Study module

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

A325901 Information Processing Science, basic studies 27.0 op

Ei opintojaksokuvauksia.

ay811169P: Introduction to Information Systems Design (OPEN UNI), 6 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

811169P Introduction to Information Systems Design 6.0 op

ECTS Credits:

6 ECTS credits/160 hours of work

Language of instruction:

Finnish

Timing:

1st year, spring semester, period 4

Learning outcomes:

After completing the course, a student can:

- Apply workflow models, context diagrams and use cases for modelling the organisational context of an information system;
- Apply ER diagrams, class diagrams, event lists, use cases, dataflow fragments, combined dataflow diagrams and user interface sketches to model the information content and functionality of an information system;
- Understand the major areas of technical design of an information system, major process models of information systems development, basics of requirements construction, basics of information systems implementation, and basics of information systems evaluation.

Contents:

1. Introduction to information systems development;
2. Information system and its modelling at the level of the organisational context;
3. Information content and functionality of an information system: a process modelling view;
4. Information content and functionality of an information system: an information modelling view;
5. Information content and functionality of an information system: a user interface view;
6. Information systems at the technical level;
7. Process models of information systems development;
8. Requirements construction;
9. Implementation and evaluation of information systems.

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 27h, exercises 21h, mandatory group work, examination 3h, independent work 109h

Recommended or required reading:

Primarily based on:

- Satzinger, Jackson ja Burd (2007), Systems Analysis and Design in a Changing World
- Hoffer, George and Valacich (2008), Modern systems Analysis and Design, 5th edition

Assessment methods and criteria:

Exam + mandatory exercise work

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

Grading:

Exam: 1–5, exercise work: passed

Person responsible:

Riitta Hekkala

Working life cooperation:

No

ay780112P: Introduction to Organic Chemistry (OPEN UNI), 4 op**Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu**Opintokohteen oppimateriaali:****Hart, Harold** , , 1999**Hart, Harold** , , 1999**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

780112P Introduction to Organic Chemistry 4.0 op

ECTS Credits:

4 credits/107 hours of work

Language of instruction:

Finnish.

Learning outcomes:

Upon completion of the course, the student can identify functional groups and structures of organic compounds, nomenclature, properties and reactions, can describe fundamentals of organic chemistry and use its terminology.

Contents:

Functional groups and nomenclature of organic compounds, basic principles of stereochemistry, reactions with applications.

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

32 hours of lectures and applications, 75 hours of self study

Target group:

Biology, Process Engineering, compulsory.

Physical Sciences, Geology, Geography, Mathematical Sciences, optional.

Prerequisites and co-requisites:

Upper secondary school chemistry

Recommended optional programme components:

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Recommended or required reading:

Hart, H., Hart, D.J. and Craine, L.E.: Organic Chemistry: A Short Course, 10 th or a newer edition, Houghton Mifflin Boston, 1999; Hart, H., Hart, D.J. and Craine, L.E.: Study Guide & Solutions Book, Organic Chemistry: A Short Course, 10th or a newer edition, Houghton Mifflin Boston, 1999.

Assessment methods and criteria:

Two intermediate examinations or one final examination

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

1-5/fail

Person responsible:

Johanna Kärkkäinen

ay811174P: Introduction to Software Business (OPEN UNI), 5 op**Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

811174P Introduction to Software Business 5.0 op

ECTS Credits:

5 ECTS credits/134 hours of work

Language of instruction:

Finnish

Timing:

1st year, spring semester, period 4

Learning outcomes:

After completing the course, a student can:

- Explain how the industry is structured;
- Describe the software industry's business logic as typically used in business models and the reasoning behind their use;
- Describe the important areas of the software business.

Contents:

More details on the course website

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 30h, exercises 20h, independent work 63.5h and examination 20h

Target group:

Recommended optional programme components:

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Recommended or required reading:

Study materials: Refer to course website

Assessment methods and criteria:

Examination

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

Grading:

Fail, 1 - 5

Person responsible:

Marianne Kinnula

ay765103P: Introduction to astronomy (OPEN UNI), 3 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

765103P Introduction to astronomy 2.0 op

ECTS Credits:

3 credits

Language of instruction:

Finnish

Learning outcomes:

Student can describe by full sentences the role of astronomy in the formation of physical world view, can name the most central astronomical research subjects and can describe the proportions of the Universe.

Contents:

Basic level introduction to astronomical topics: history of astronomy, astronomical methods, the Solar System, the Sun, stars and their evolution, interstellar matter, star clusters, the Milky Way and galaxies.

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 21 h, self-study 59 h

Prerequisites and co-requisites:

No specific prerequisites

Recommended or required reading:

Course lectured in Finnish, possible English study material will be decided later.

Assessment methods and criteria:

One written examination.

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

Grading:

Numerical grading scale 0 – 5, where 0 = fail

Person responsible:

Petri Kostama

Other information:

<https://wiki oulu.fi/display/765103P/>

ay810136P: Introduction to information processing sciences (OPEN UNI), 5 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

810136P Introduction to Information Processing Sciences 5.0 op

ECTS Credits:

ECTS credits: 5 ECTS credits/134 hours of work

Language of instruction:

Finnish

Timing:

Timing: 1st year of Bachelor studies, autumn semester, periods 1–2

Learning outcomes:

Learning outcomes: Students are able to complete information searches belonging to subject areas related to the course, analyse the information they have found and write short reports and essays.

Contents:

Contents: The course consists of lectures of various aspects of computer science and current research. Practical working life is discussed from the information science point of view. The course also introduces scientific work and its sub-processes through listening, discussing, reading, critical and creative thinking, material search, structuring and writing presentations.

Mode of delivery:

Model of delivery: Blended teaching

Learning activities and teaching methods:

Learning activities and teaching methods: Lectures (28 h), exercise work (35 h), and self-study (71 h). The course uses a web-based learning environment for sharing information and exercises in support of reading.

Target group:

Recommended optional programme components:

Recommended or required reading:

Recommended or required reading: Study material will be announced during the course

Assessment methods and criteria:

Assessment methods and criteria: The course assignments are graded. Extra points can be obtained by showing activity during the lectures.

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

Grading:

Arvostelu: Hylätty, 1 - 5

Person responsible:

Juhani Warsta

ay790141P: Introduction to planning geography (OPEN UNI), 5 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

790141P Introduction to Regional Development and Regional Policy 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:

Sami Moisio.

Working life cooperation:

No.

Other information:

Only in Finnish.

ay790104P: Introduction to systematic humangeography (OPEN UNI), 5 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

790104P Introduction to systematic Human Geography 5.0 op

ECTS Credits:

5 ECTS

Language of instruction:

Only in Finnish.

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:

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Recommended optional programme components:

Course is part of the minor studies of Geography.

Recommended or required reading:

- De Blij, H. (1996). Human Geography: Culture, Society, and Space.
- Jordan, T. & Domosh, M. & L. Rowntree (1994 tai uudempi). The Human Mosaic: A Thematic Introduction to Cultural Geography.

Assessment methods and criteria:

Exam on exam day.

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

Grading:

1-5.

Person responsible:

Petri Hottola (lectures) ja Vilhelmiina Vainikka (practicals).

Working life cooperation:

No.

Other information:

Only in Finnish.

ay790152P: Introduction to the discipline of geography (OPEN UNI), 5 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen oppimateriaali:

Goudie, Andrew , , 1997

Opintokohteen kielet: Finnish

Leikkaavuudet:

790152P Introduction to the discipline of Geography 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 image of Geography as an independent discipline. It will be done by analysing history, concepts and research aspects.

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:

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Recommended optional programme components:

Course is part of the minor studies of Geography.

Recommended or required reading:

- Crang, M. (1998). Cultural Geography. 213 p.
- and readings of the Physical Geography.

Assessment methods and criteria:

On exam day of Geography.

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

Grading:

1-5.

Person responsible:

Petri Hottola and Jan Hjort

Working life cooperation:

No.

ay790102P: Introduction to the systematic physical geography (OPEN UNI), 5 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

790102P Introduction to the systematic Physical Geography 5.0 op

ECTS Credits:

5 ECTS

Language of instruction:

Finnish and English (Lectures are only in Finnish, but this course can be done also in English with some extra readings. Practical's 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), 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 lithosphere, 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 gathering and its technical use.

Mode of delivery:

Face-to-face learning.

Learning activities and teaching methods:

20 h lectures, 56 h practical's.

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, 5-7, 9, 13-20, 23).
- More material from the practicals.

Assessment methods and criteria:

Written exam on general exams of Geography.

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

Grading:

1–5.

Person responsible:

Jan Hjort.

Working life cooperation:

No.

Other information:

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

ay790160A: Introduction to tourism geography (OPEN UNI), 5 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

790160A Introduction to tourism geography 5.0 op

ECTS Credits:

5 ECTS

Language of instruction:

Only in Finnish.

Timing:

1st year, 1st semester.

Learning outcomes:

Student will learn about the tourism phenomenon and its regional and development characteristics and impacts. After the course the student can define and interpret different aspects of the tourism geography and its subject matters.

Contents:

Basic concepts of the tourism phenomena, spatial characteristics of tourism and its development aspects.

Mode of delivery:

Face-to-face learning.

Learning activities and teaching methods:

16 h lectures, exam.

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 Tourism studies.

Recommended or required reading:

- Hall, C.M., Muller, D.K. and J. Saarinen (2009). Nordic Tourism: Issues and Cases.
- Hall, C.M. and S. Page (1999 or later edition). The Geography of Tourism and Recreation - Environment, Place and Space (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:

Jarkko Saarinen.

Working life cooperation:

No.

Other information:

Only in Finnish.

ay750116P: Legislation in environmental protection (OPEN UNI), 5 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

750116P Legislation in environmental protection 5.0 op

ay750316A: Legislation in environmental protection (OPEN UNI), 5 op

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen oppimateriaali:

Hollo, Erkki J. , , 2001

Opintokohteen kielet: Finnish

Leikkaavuudet:

750316A Legislation in environmental protection 5.0 op

ECTS Credits:

5 ECTS credits / 133 hours of work.

Language of instruction:

Finnish.

Timing:

B.Sc. 2nd or 3rd or M.Sc. 1st autumn - spring. Every second year.

Learning outcomes:

To familiarise students with environmental legislation in European Union with regard to environmental protection and natural resources. Student is able to apply his knowledge to different environmental questions and analyze the needed means. Student knows the environmental administration and organisations in environmental protection and natural resources.

Contents:

Environmental protection and natural resources legislation in Finland and in Europe. Environmental administration and organisations, use and protection of natural resources, prevention of environmental destruction, assessment of environmental effect as well as principles of environmental legislation and main international conventions, environmental issues in UNEP and OECD are covered.

Mode of delivery:

Face-to-face teaching.

Learning activities and teaching methods:

24 h lectures, 18 h exercises including demonstrations and literature.

Target group:

Compulsory to students who are doing the environmental protection 25 cr. study module.

Prerequisites and co-requisites:

No.

Recommended optional programme components:

Compulsory to students who are doing the environmental protection 25 cr. study module.

Recommended or required reading:

Erkki J. Hollo 2001: Ympäristönsuojeluoikeus, WSOY, 592 s, Kokkonen, Tuomas (toim.): Ympäristölainsäädäntö 2011. 1269 s Talentum.

The availability of the literature can be checked from [this link](#).

Assessment methods and criteria:

Exam or learning diary.

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

Grading:

1-5 / Fail.

Person responsible:

Dr. Kari Taulavuori.

Working life cooperation:

No.

Other information:

Also the environmental legislation course that Faculty of technology arranges is accepted.

ay802158P: Mathematics for Economic Sciences (OPEN UNI), 7 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

802158P Mathematics for Economic Sciences 7.0 op

ay815653S: Open Source Software Development (OPEN UNI), 4 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: English

ECTS Credits:

4 ECTS credits/108 hours of work

Language of instruction:

English

Timing:

2nd year of Master's studies, autumn semester, periods 1 + 2

Learning outcomes:

After completing the course, a student is able to:

- Define the historical background and the ideology of OSS;
- Participate in an OSS development project;
- Evaluate the impact of using OSS and OSS licenses in software development and exploitation;
- View the phenomenon through essential scientific research.

Contents:

Open Source Software (OSS) is one of the most topical phenomena in software development. It affects both software production and the decisions of user organisations. OSS can be studied from different social, legal, economical, software engineering and data security viewpoints. The course covers the range of scientific findings on the OSS paradigm. The course introduces the Open Source Software (OSS) development paradigm and current topics in OSS research. The aim is to study from different viewpoints, for example, what OSS is and what it is not, the history and organisation of OSS projects, methods of OSS development and usage, as well as licensing models and possible risks. The emphasis is on research work.

Mode of delivery:

Mostly face-to-face teaching but some parts are implemented as distance teaching

Learning activities and teaching methods:

Lectures and seminars about 40h, exercises about 10h, seminar paper about 58h.

Prerequisites and co-requisites:

Compulsory prerequisites are bachelor degree or other equivalent degree and basic knowledge of software engineering and research work. The course allows passing Project II following the OSS development principles or a Master's thesis on an OSS topic.

Recommended optional programme components:

Recommended or required reading:

Fogel, K. (2005): Producing Open Source Software - How to Run a Successful Free Software Project, O'Reilly Media; Rosen L. (2004): Open Source Licensing: Software Freedom and Intellectual Property Law, Prentice Hall; international articles covering the topic.

Assessment methods and criteria:

Active participation and a seminar paper

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

Grading:

1-5

Person responsible:

Henrik Hedberg

Working life cooperation:

No

ay806116P: Statistics for Economic Sciences (OPEN UNI), 5 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

806116P Statistics for Economic Sciences 5.0 op

ay790165P: Substitutive course on Tourism (OPEN UNI), 5 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

790165P Substitutive course on Tourism 3.0 op

Ei opintojaksokuvauksia.

ay790161A: Tourism, sustainability and environment (OPEN UNI), 4 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Open University, Oulu

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: Open University, Oulu

Opintokohteen kielet: Finnish

Leikkaavuudet:

790161A Tourism, development and sustainability 5.0 op