History of Science and Ideas

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Website: http://www.oulu.fi/hutk/historia/opiskelu/oppiaineet.html

Admission requirements

History of Science and Ideas may be taken as a major subject by students who have successfully passed the entrance examination. Any student presently enrolled and registered at the university may take the subject as a subsidiary (minor) subject.

Study guidance

Study guidance is provided by University Lecturer Erkki Urpilainen, tel. +358 29 448 3305, erkki.urpilainen@oulu.fi

History of Science and Ideas

History of Science and Ideas refers not only to the history of thought but also to the history of the ways knowledge is created. The subject is rooted in the Swedish traditional discipline “idé- och lärdomshistoria”. In Europe and the USA, corresponding studies usually belong in the sphere of the history of science. As a term, too, History of Science and Ideas reminds us that there exists a certain kind of continuum between scientific and non-scientific thinking.

As a discipline, the history of science investigates how ideas about science have changed during the course of history. Often the focus is placed on natural sciences and medicine, but equally relevant is mapping out the history of the various fields of the humanities. The history of science does not restrict itself simply to the history of theories; the field also studies the methodology of acquiring scientific knowledge and how it has changed as well as the nature of and criteria for scientific information in different eras.

The different branches of the History of Science usually group around certain methodological aspects or research problems or on the history of a specific era, discipline or technology. The subject can also cover matters such as studying the scientific instruments of past eras or the interaction between the institutional structures of science and scientific knowledge in different time periods. Just as it is impossible to study ideas removed from the world in which they are generated and have an influence on, it is impossible to regard science as something unconnected to the society which exists outside of academies and laboratories: science is always a reflection of its time.

Traditionally, the study of history has focused on the events of the past and understanding why they occurred. Although historical events are significant in the History of Science and Ideas, the primary objective is to interpret what people from different eras thought about the events and things which occurred in their lives. In this sense, the History of Science and Ideas studies the beliefs, hopes, and fears of people in eras past; how they viewed society and nature as well as its workings. Other objects of study in the History of Ideas are various ideologies, concepts, and “-isms” of the past. In addition to scientific thinking, such phenomena may be the subject of analysis in terms of their effects on economy, politics and religion as well.

The History of Ideas is closely related to the history of philosophy. Both disciplines are often interested in the same historical thinkers. However, there are differences between the disciplines. In philosophy, the emphasis is placed on
how well a line of thought is reasoned; the History of Ideas, however, puts more stress on what an idea reveals about the world in which it emerged. The History of Science and Ideas is not focused solely on the great geniuses but also on the so-called “mediocre” thinkers. In the history of scholarship the latter form the majority.

**Subject-specific practical guidelines**

Students of History of Science and Ideas and students of History share the same Basic Studies package. In the Basic Studies, students are given an overview of the course of history and its central turning points from the perspective of both subjects. Students are introduced to historical thinking and become familiar with scientific writings. Methodology studies in particular create a foundation for understanding the science of history and help students acquire a command of the methods of research.

Students taking History of Science and Ideas as a subsidiary subject are required to complete only the Basic Level courses.

**Studies and learning objectives**

After completing the Basic Studies package, students have the knowledge, skills, and conceptual abilities to critically analyse the history of human thought as well as information acquisition and studies related to it. Students understand the nature of thought from the perspective of the History of Science and Ideas, and can explain the unique scientific features and different approaches of the field.

After completing the Intermediate Studies package, students can perform a multifaceted analysis of historical phenomena from the perspective of the History of Science and Ideas and utilize study methods – both those unique to the discipline as well as those used more widely in the historical research – in their study and in utilizing source materials. Students can are also familiar with the most central traditions of study and methodological trends in the field. With reference to Advanced Studies, after completing the Intermediate Studies package, students have the skills to academically present and solve problems, use existing information and source materials, document information, propose arguments, and the skills needed for critique and scholarly dialogue. Students can plan and realize independent projects related to study and the application of scientific knowledge. Students can also produce treatises and other written or oral works related to their area of expertise.

After completing the Advanced Studies package, students can plan and carry out complex projects requiring the search and application of information, and produce academic knowledge. Students are capable of handling demanding independent work requiring analysis, creativity, and ethical evaluation, and they can also act as experts for various groups or organizations. Students can critically analyze source materials and arguments and present logically the results of studies in written form. Students can critically analyse and apply the central study methods of the field. Students can make use of concepts typical of the History of Science and Ideas and also have the capability to apply methodological and theoretical tools from other fields. Students conceive the diversity of the field and see the subject of their study as part of a broader study context. Students can independently comment on the professional discourse in their field.

**Courses**

**Basic Studies, History (25 ECTS credits) for students majoring in History of Science and Ideas**

1. 700103Y Personal Study Plan 1 (0 ECTS credits)
2. Introduction to World History (6 ECTS credits)
   a) 700091P Introduction to World History I (3 ECTS credits)
   b) 700092P Introduction to World History II (3 ECTS credits)
3. Finnish and Scandinavian History (6 ECTS credits)
   a) 700093P Introduction to Finnish History (4 ECTS credits)
   b) 700094P Finnish History of Science and Ideas (2 ECTS credits)
4. History of Science and Ideas (6 ECTS credits)
   a) 700095P Sciences and the Evolution of World Views (3 ECTS credits)
   b) 700096P History of Political and Social Ideas (3 ECTS credits)
5. Basic Studies in Historical Methods (7 ECTS credits)
   a) 700097P Theme Seminar (2 ECTS credits)
   b) 700098P Introduction to Methodology (3 ECTS credits)
   c) 700099P Historiography (2 ECTS credits)

**Basic Studies, History of Science and Ideas for subsidiary subject students**
1. Introduction to the Methodology of History (5 ECTS credits)
   a) 700098P Introduction to Methodology (3 ECTS credits)
   b) 700099P Historiography (2 ECTS credits)
2. 700095P Sciences and the Evolution of World Views (3 ECTS credits)
3. 700096P History of Political and Social Ideas (3 ECTS credits)
4. 700094P Finnish History of Science and Ideas (4 ECTS credits)
5. 700200P Relation between Science and Religion (2 ECTS credits)
6. 700201P History of Religious Ideas (3 ECTS credits)
7. 700202P Global Approach to the History of Ideas (3 ECTS credits)
8. 700203P Cultural History (2 ECTS credits)

Intermediate Studies (45 ECTS credits)
700104Y Personal Study Plan 2 (0 ECTS credits)
1. Introduction to Research Practices (11 ECTS credits)
   a) 700204A Introduction to Archival Research (2 ECTS credits)
   b) 700300A Library Course (1 ECTS credit)
   c) 700400A Advanced Course in Methodology (2 ECTS credits)
   d) 700401A Exercise Course in Methodology (3 ECTS credits)
   e) 700205A Special Nature of History of Science and Ideas (3 ECTS credits)

   Students choose four courses from sections 2 and 3 (4x3 ECTS credits)

2. Period Courses
   a) 700206A Antiquity (3 ECTS credits)
   b) 700207A The Middle Ages (3 ECTS credits)
   c) 700208A The Renaissance and the Scientific Revolution (3 ECTS credits)
   d) 700209A The Enlightenment and Romanticism (3 ECTS credits)
   e) 700210A Elements of the Modern World View (3 ECTS credits)

3. Introduction to Special Fields
   a) 700211A Finnish History of Science and Ideas (3 ECTS credits)
   b) 700212A History of Technology (3 ECTS credits)
   c) 700213A History of Different Branches of Science (3 ECTS credits)

4. Courses in History 12 ECTS credits (4x3)

5. 700226A Candidate’s Thesis and Seminar (10 ECTS credits)
6. 700214A Proseminar (for subsidiary students)(9 ECTS credits)
7. 700224A Maturity Test (for majoring students)(0 ECTS credits)

Advanced Studies (80 ECTS credits)
700227Y Personal Study Plan 3 (0 ECTS credits)

1. Methodological and Theoretical Studies (13 ECTS credits)
   a) 700215S Methodology in History of Science and Ideas (3 ECTS credits)
   b) 700216S Special Course in Methodology (6 ECTS credits)
   c) 700217S Science Studies (4 ECTS credits)

2. Specialization Studies (17 ECTS credits)
   a) 700218S History of Philosophy (5 ECTS credits)
   b) 700219S History of Sciences and Technology (4 ECTS credits)
   c) 700220S Individual Research Topic (8 ECTS credits)

3. 700221S Seminar (10 ECTS credits)
4. 700222S Master’s. Thesis (40 ECTS credits)
5. 700225S Maturity Test (for majoring students)(0 ECTS credits)

700223S Work Training
The extent of the work training included in the studies may vary from 6 to 12 ECTS credits. Training is a study unit of its own which is not included in the study packages. Training may include such work as, for example, assistance in research projects, work in the media, archives or museums, or activities in various branches of administration, participation in scientific meetings, etc.

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

700400A: Advanced Course in Methodology, 2 op
700206A: Antiquity, 3 op
700226A: Bachelors Seminar and Thesis, 10 op
700097P: Critical Reading, 2 op
700203P: Cultural history, 2 op
700210A: Elements of the Modern World View, 3 op
700401A: Exercise Course in Methodology, 3 op
700211A: Finnish History of Science and Ideas, 3 op
700094P: Finnish History of Science and Ideas, 2 op
700202P: Global Approach to the History of Ideas, 3 op
700099P: Historiography, 2 op
700213A: History of Different Branches of Science, 3 op
700218S: History of Philosophy, 4 - 5 op
700096P: History of Political and Social Ideas, 3 op
700201P: History of Religious Ideas, 3 op
700219S: History of Sciences and Technology, 4 - 5 op
700212A: History of Technology, 3 op
700220S: Individual Research Topic, 8 - 10 op
700091P: Introduction to World History I, 3 op
700092P: Introduction to World History II, 3 op
700204A: Introduction to Archival Research, 2 op
700093P: Introduction to Finnish History, 4 op
700098P: Introduction to Methodology, 3 op
700300A: Library Course, 1 op
700222S: Master’s Thesis, 40 op
700224A: Maturity Test for Bachelor’s Degree / History of Science and Ideas, 0 op
700225S: Maturity Test for Master’s Degree / History of Science and Ideas, 0 op
700215S: Methodology in History of Science and Ideas, 3 op
700103Y: Personal Study Plan 1 (Bachelor’s degree), 0 op
700104Y: Personal Study Plan 2 (Bachelor’s degree), 0 op
700227Y: Personal Study Plan 3 (Master’s degree), 0 op
700214A: Proseminar (for minoring students), 10 op
700200P: Relation Between Science and Religion, 2 op
700217S: Science Studies, 4 op
700095P: Sciences and the Evolution of World Views, 3 op
700221S: Seminar, 10 op
700216S: Special Course in Methodology, 3 - 6 op
700205A: Special Nature of History of Science and Ideas, 3 op
700209A: The Enlightenment and Romanticism, 3 op
700207A: The Middle Ages, 2 - 3 op
700208A: The Renaissance and the Scientific Revolution, 3 op

Opintojaksojen kuvaukset
Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

700400A: Advanced Course in Methodology, 2 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuyksikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Oinas-Kukkonen, Henry Tapio
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits: 2
Language of instruction: Finnish
Timing: 2 nd year
Learning outcomes:
Upon completion of the course, students can recognize unforeseen problems in research and the criteria for theses in History, and can actively and critically take part in discussions on historical research. Students can follow fast-paced, elaborate scientific dialogue, dissert arguments they receive and give their own reasoned arguments.
Mode of delivery: Contact teaching
Learning activities and teaching methods: Practical course
Target group: Advanced level History/History of Science and Ideas students
Prerequisites and co-requisites: Basic Level ‘Introduction to Methodology’ course (7 ECTS credits) must be completed
Recommended optional programme components: None
Recommended or required reading: Manuale Historiae – Historian (opiskelijan) käsikirja
Assessment methods and criteria: Practical course and independent literature study
Grading: Pass/fail
Person responsible: Henry Oinas-Kukkonen
Working life cooperation: No

700206A: Antiquity, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuyksikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Urpilainen, Erkki Juhani
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä
ECTS Credits: 3
Language of instruction: Finnish
Timing: 1st-3rd year
Learning outcomes: Upon completion of the course, students can define the central unique characteristics of science and ideas in antiquity and contextualize the ideological world of antiquity with their historical and social background.
Contents: Antiquity in History of Science and Ideas
Mode of delivery: Contact teaching or self study
Learning activities and teaching methods: Lectures and/or book exam
Target group: Students of History of Science and Ideas
Prerequisites and co-requisites: Successful completion of the Basic Studies
Recommended optional programme components: -
Recommended or required reading: Ronny Ambjörnsson: Människors undran: Europas idéhistoria. Antiken; or Holger Thesleff – Juha Sihvola, Antiikin filosofia ja aatemaailma
Assessment methods and criteria: Formal lecture exam and/or book exam
Grading: 0-5
Person responsible: Erkki Urpilainen
Working life cooperation: No

700226A: Bachelor's Seminar and Thesis, 10 op
Voimassaolo: 01.08.2009 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Urpilainen, Erkki Juhani
Opintokohteen kielet: Finnish

ECTS Credits: 10
Language of instruction: Finnish
Timing: Second or third year
Learning outcomes: Upon completion of the course, students can apply the methods of the History of Science and Ideas and complete an independent research project, and are capable of criticizing and discussing historical research. The Candidate’s Thesis demonstrates the student’s capability to prepare essays, dissertations and seminar presentations that fill the methodological, language, and content requirements of the subject.
Contents: Writing of a B.A. Thesis, acting as an opponent, and participation in general discussion.
Mode of delivery: Contact teaching
Learning activities and teaching methods:
Regular seminars
**Target group:**
Students majoring in History of Science and Ideas

**Prerequisites and co-requisites:**
Successful completion of Introduction to Research Practices (11 ECTS credits) required

**Recommended optional programme components:**
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**Recommended or required reading:**
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**Assessment methods and criteria:**
Active participation in the Candidate’s Seminars (10 meetings), preparing and presenting a Candidate’s Thesis, opponenting a fellow student’s work, and a learning diary

**Grading:**
The Thesis and Seminar participation are graded on a scale of 0–5

**Person responsible:**
Erkki Urpilainen

**Working life cooperation:**
No

700097P: Critical Reading, 2 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuysikkö:** Faculty of Humanities

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

**Opettaja:** Salo, Matti Tapani

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

- ay700097P Critical Reading (OPEN UNI) 2.0 op

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**
2

**Language of instruction:**
Finnish

**Timing:**
1 st year

**Learning outcomes:**
Upon completion the course, students can read, analyse and evaluate historical research, applying the basic approaches and principles of the field. Students are able to create compact oral presentations and participate in discussions on historical research. Students are able to define in general terms how historical research is done in practice.

**Contents:**
Analysis and evaluation of historical research

**Mode of delivery:**
Contact teaching

**Learning activities and teaching methods:**
All students choose one of the provided historical research works as their topic and reserve a time-slot in their own theme group. Students attend their group meetings and prepare coherent and compact 20 min. oral presentations that analyse the research methods of their chosen paper. A group discussion will be held, based on each presentation, during which all group members will comment and ask questions.

**Target group:**
Basic Level History/History of Science and Ideas students

**Prerequisites and co-requisites:**
None

**Recommended optional programme components:**
None

**Recommended or required reading:**
Course instructions and timetable will be made available on the history department’s website after the first session.

**Assessment methods and criteria:**
Joint introductory session and themed group sessions

**Grading:**
Pass/fail

**Person responsible:**
Matti Salo

**Working life cooperation:**
No

**Other information:**
Minimum compulsory attendance in group sessions is 80%

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**700203P: Cultural history, 2 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuysikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**
ay700203P Cultural history 2.0 op

**ECTS Credits:**
2

**Language of instruction:**
Finnish

**Timing:**
Free

**Learning outcomes:**
Upon completion of the course, students can discuss the central elements of the history of one specific aspect of culture.

**Contents:**
The history of an aspect of culture

**Mode of delivery:**
Contact teaching or self study

**Learning activities and teaching methods:**
Lecture course and/or book exam

**Target group:**
Students minoring in History of Science and Ideas

**Prerequisites and co-requisites:**
None

**Recommended optional programme components:**
None

**Recommended or required reading:**
One of the following works:
a) Jarmo Pulkkinen, Sudenluusta supertietokoneeseen
b) J. Huizinga, Keskiajan syksy
c) G.J. Whitrow, Time in History
d) Carlo Ginzburg, The Cheese and the Worms
e) Wolfgang Schivelbusch, Junamatkan historia
f) Valerie Allen, On Farting

**Assessment methods and criteria:**
Formal lecture exam and/or book exam

**Grading:**
0-5

**Person responsible:**
Niina Timosaari

**Working life cooperation:**
No
**700210A: Elements of the Modern World View, 3 op**

**ECTS Credits:**
3 credits

**Language of instruction:**
Finnish

**Timing:**
1st-3rd year

**Learning outcomes:**
Upon completion of the course, students can define the central unique characteristics of science and ideas of the modern times, and can contextualize the modern ideological world with its historical and social background.

**Contents:**
19th and 20th centuries in the History of Science and Ideas

**Mode of delivery:**
Contact teaching or self study

**Learning activities and teaching methods:**
Lectures and/or book exam

**Target group:**
History of Science and Ideas students

**Prerequisites and co-requisites:**
Successful completion of the Basic Studies

**Recommended optional programme components:**
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**Recommended or required reading:**
Gunnar Eriksson, Västerlandets idéhistoria 1800–1950 (pp. 65–367); plus a selection of texts from:
Nils Runeby (ed.), Framstegets arvtagare: Europas idéhistoria. 1900-talet

**Assessment methods and criteria:**
Formal lecture exam and/or book exam

**Grading:**
0-5

**Person responsible:**
Erkki Urpilainen

**Working life cooperation:**
No

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**700401A: Excercise Course in Methodology, 3 op**

**ECTS Credits:**
3 credits

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Language of instruction: Finnish
Timing: 2nd year

Learning outcomes:
Upon completion of the course, students can apply their skills in the field when acquiring and interpreting information, and when presenting it in written form. Students can attain the set criteria for a thesis in History. Students can direct their own research process, are capable of independently solving complex and unforeseen problems, and as respondents can defend and justify their interpretations and receive advice from others before making final decisions. Students can critically but co-operatively evaluate research by others and give well-reasoned advice.

Mode of delivery:
Contact teaching

Learning activities and teaching methods:
Research Practice

Target group:
Advanced level History/History of Science and Ideas students

Prerequisites and co-requisites:
Successful completion of Introduction to Methodology course (7 ECTS credits) is required

Recommended optional programme components:
None

Recommended or required reading:
Manuale Historiae – Historian (opiskelijan) käsikirja

Assessment methods and criteria:
Practical course and independent literature study

Grading:
Pass/fail

Person responsible:
Henry Oinas-Kukkonen

Working life cooperation:
No

700211A: Finnish History of Science and Ideas, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Urpilainen, Erkki Juhani
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits:
3

Language of instruction:
Finnish
Timing: 1st-3rd year

Learning outcomes:
Upon completion of the course, students can define the central unique characteristics of the Finnish History of Science and Ideas, and contextualize the Finnish ideological world with its historical and social background.

Contents:
Finnish History of Science and Ideas

Mode of delivery:
Contact teaching or self study

Learning activities and teaching methods:
Lectures and/or book exam

Target group:
History of Ideas and Sciences students

**Prerequisites and co-requisites:**
Successful completion of the Basic Studies

**Recommended optional programme components:**

**Recommended or required reading:**
One of the following options:

a) Päiviö Tommila (ed.), Suomen tieteen historia 1, (pp. 100-494);
b) A collection of articles (approx. 450 pages) from: Päiviö Tommila (ed.), Suomen tieteen historia 2–4;
c) One volume of the series: Tuomas M.S. Lehtonen & Timo Joutsivuo (eds.), Suomen kulttuurihistoria I–IV;
d) Literature to be agreed upon with the lecturer

**Assessment methods and criteria:**
Formal lecture exam and/or book exam

**Grading:**
0-5

**Person responsible:**
Erkki Urpilainen

**Working life cooperation:**
No

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700094P: Finnish History of Science and Ideas, 2 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuysikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**
- ay700094P Finnish History of Science and Ideas (OPEN UNI) 2.0 op

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**
2 credits

**Language of instruction:**
Finnish

**Timing:**
1st year

**Learning outcomes:**
Upon completion of the course, students can define the central developments of the sciences and scholarship in Finland and can recognize the basic elements and manifestations of the national tradition of ideas in different areas.

**Contents:**
Central developments of the sciences and scholarship in Finland, basic elements and manifestations of the national tradition of ideas.

**Mode of delivery:**
Contact teaching

**Learning activities and teaching methods:**
Lecture course or book examination

**Target group:**
Students of History/History of Science and Ideas

**Prerequisites and co-requisites:**
None

**Recommended optional programme components:**
None

**Recommended or required reading:**
Tuomas M.S. Lehtonen (ed.), Suomi – outo pohjoinen maa? OR Juha Manninen, Valistus ja kansallinen identiteetti

**Assessment methods and criteria:**
Formal lecture examination or book exam

**Grading:**

700202P: Global Approach to the History of Ideas, 3 op

Voimassaolo: 01.08.2005 - 31.07.2015
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
Leikkaavuudet: ay700202P Global Approach to the History of Ideas (OPEN UNI) 3.0 op
Voidaan suorittaa useasti: Kyllä

ECTS Credits: 3
Language of instruction: Finnish
Timing: Free
Learning outcomes: Upon completion of the course, students can discuss the central features of Asian, American, and African history of ideas and compare them with the Western history of ideas
Contents: Central features of Asian, American, and African history of ideas
Mode of delivery: Contact teaching or self study
Learning activities and teaching methods: Lecture course and/or book exam
Target group: Students minoring in History of Science and Ideas or Ethics
Prerequisites and co-requisites: None
Recommended optional programme components: None
Recommended or required reading: Mohammad Fazlhashemi (ed.), Vidgade vyer
Assessment methods and criteria: Formal lecture exam and/or book exam
Grading: 0-5
Person responsible: Heini Hakosalo
Working life cooperation: No

700099P: Historiography, 2 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
ECTS Credits: 2
Language of instruction: Finnish
Timing: 1st year, spring term
Learning outcomes: Upon completion of the course, students can discuss the central developments in Western historiography tradition and compare them to the historiography of non-European, in particular Chinese, traditions.
Contents: Western traditions of historiography in relation to the traditions of other areas.
Mode of delivery: Contact teaching
Learning activities and teaching methods: Lectures or literature
Target group: Students of History/History of Science and Ideas
Prerequisites and co-requisites: None
Recommended optional programme components: None
The availability of course literature can be checked via WebOodi.
Assessment methods and criteria: Formal lecture examination or book exam
Grading: 0-5
Person responsible: Olavi K. Fält
Working life cooperation: No

700213A: History of Different Branches of Science, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Urpilainen, Erkki Juhani
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits: 3
Language of instruction: Finnish
Timing: 1st-3rd year
Learning outcomes:
Upon completion of the course, students can define and discuss the central aspects of a specific branch of science

Contents:
Studying the history of a specific branch of science

Mode of delivery:
Contact teaching or self study

Learning activities and teaching methods:
Lectures and/or book exam

Target group:
History of Science and Ideas students

Prerequisites and co-requisites:
Successful completion of the Basic Studies

Recommended optional programme components:

Recommended or required reading:
One of the following works:
Jarmo Pulkkinen: Sudenluusta supertietokoneeseen;
John Hudson: Suurin tiete. Kemian historia;
A.G. Morton: Kasvitielteen historia;
Hannu Karttunen: Vanhin tiete. Tähtitiedettä kivikaudesta kuulentoihin;
or upon agreement with the course teacher.

Assessment methods and criteria:
Formal lecture exam and/or book exam

Grading:
0-5

Person responsible:
Erkki Urpilainen

Working life cooperation:
No

700218S: History of Philosophy, 4 - 5 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits:
5 credits

Language of instruction:
Finnish

Timing:
4th-5th year

Learning outcomes:
Students can describe the developments in the history of philosophical thought and explain the central questions of the history of Western philosophy

Contents:
Study of the history of Western philosophy

Mode of delivery:
Self study

Learning activities and teaching methods:
Book examination

Target group:
History of Science and Ideas students

Prerequisites and co-requisites:
Successful completion of the Basic and Intermediate Studies

Recommended optional programme components:

Recommended or required reading:
700096P: History of Political and Social Ideas, 3 op

ECTS Credits: 3
Language of instruction: Finnish
Timing: 1st year
Learning outcomes:
Upon completion of the course, students can describe the concepts of society, nation and politics, as well as the development of thought regarding societal movements and their validations from antiquity to the modern day.

Contents:
History of political and social ideas from Antiquity to the present.

Mode of delivery:
Contact teaching or self study

Learning activities and teaching methods:
Lecture course and independent literature study, or book exam

Target group:
Students majoring or minoring in History/History of Science and Ideas, students minoring in Ethics

Prerequisites and co-requisites:
None

Recommended optional programme components:
None

Recommended or required reading:
Sven-Erik Liedman: Från Platon till kommunismens fall

Assessment methods and criteria:
Formal lecture examination or book exam

Grading:
0-5

Person responsible:
Maija Kallinen

Working life cooperation:
No

700201P: History of Religious Ideas, 3 op

ECTS Credits: 3
Language of instruction: Finnish
Timing: 1st year
Learning outcomes:
Upon completion of the course, students can describe the concepts of society, nation and politics, as well as the development of thought regarding societal movements and their validations from antiquity to the modern day.

Contents:
History of political and social ideas from Antiquity to the present.

Mode of delivery:
Contact teaching or self study

Learning activities and teaching methods:
Lecture course and independent literature study, or book exam

Target group:
Students majoring or minoring in History/History of Science and Ideas, students minoring in Ethics

Prerequisites and co-requisites:
None

Recommended optional programme components:
None

Recommended or required reading:
Sven-Erik Liedman: Från Platon till kommunismens fall

Assessment methods and criteria:
Formal lecture examination or book exam

Grading:
0-5

Person responsible:
Maija Kallinen

Working life cooperation:
No
ECTS Credits:
3
Language of instruction:
Finnish
Timing:
Free
Learning outcomes:
Upon completion of the course, students can define the concepts of God in Judaism, Christianity, and Islam, and discuss the central features of their development and the relations between them.

Contents:
Ideas and history of world religions

Mode of delivery:
Contact teaching or self study

Learning activities and teaching methods:
Lecture course and/or book exam

Target group:
Students minoring in History of Science and Ideas

Prerequisites and co-requisites:
None

Recommended optional programme components:
None

Recommended or required reading:
Karen Armstrong, A History of God

Assessment methods and criteria:
Formal lecture exam and/or book exam

Grading:
0-5

Person responsible:
Niina Timosaari

700219S: History of Sciences and Technology, 4 - 5 op

ECTS Credits:
4-5

Language of instruction:
Finnish

Timing:
4th-5th year

Learning outcomes:
Upon completion of the course, students can identify and describe the central aspects of the History of Sciences and Technology, and the problems of studying in the subject.
Contents:
A deeper understanding of the History of Sciences and Technology

Mode of delivery:
Self study

Learning activities and teaching methods:
Book exam

Target group:
History of Science and Ideas students

Prerequisites and co-requisites:
Successful completion of the Basic and Intermediate Studies

Recommended optional programme components:
- 

Recommended or required reading:
One of the following works:

a) Companion to the History of Modern Science (pp. 5–126, 201–557 and 763–1044)
b) Handbook of Science and Technology Studies (pp. 1–315 and 389–670)
c) Thomas P. Hughes, Rescuing Prometheus, and
Handbook of Science and Technology Studies (pp. 111–315)
d) Literature agreed upon with lecturer

Assessment methods and criteria:
Book exam

Grading:
0-5

Person responsible:
Petteri Pietikäinen

Working life cooperation:
No

700212A: History of Technology, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuyksikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Urpilainen, Erkki Juhani
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits:
3

Language of instruction:
Finnish

Timing:
1st-3rd year

Learning outcomes:
Upon completion of the course, students can discuss technological progress from antiquity to the modern day and analyse the interaction between technology and society

Contents:
History of technology from Antiquity to the present

Mode of delivery:
Contact teaching or self study

Learning activities and teaching methods:
Lectures and/or book exam

Target group:
History of Science and Ideas students

Recommended optional programme components:
- 

Recommended or required reading:
Bosse Sundin, Teknologia ja ihminen: Historiallinen katsaus (pp. 1–71);
Assessment methods and criteria:
Formal lecture exam and/or book exam
Grading:
0-5
Person responsible:
Erkki Uspilainen
Working life cooperation:
No

700220S: Individual Research Topic, 8 - 10 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits:
8-10
Language of instruction:
Finnish
Timing:
4th - 5th year
Learning outcomes:
Upon completion of the course, students can analyse the subject matter of their Master’s Theses and comment on the theoretical and methodological with reference to it.
Mode of delivery:
Self study
Learning activities and teaching methods:
Book exam
Target group:
History of Science and Ideas students
Prerequisites and co-requisites:
Successful completion of the Basic and Intermediate Studies
Recommended optional programme components:
-
Recommended or required reading:
Literature to be agreed upon with lecturer
Assessment methods and criteria:
Book exam
Grading:
0-5
Person responsible:
Petteri Pietikäinen
Working life cooperation:
No

700091P: Introduction to World History I, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
ECTS Credits:
3
**Language of instruction:**
Finnish

**Timing:**
1st year

**Learning outcomes:**
Introduction to World History I introduces students to the key events and historical stages of Ancient History, Antiquity and the Middle Ages. Upon completion of the course, students will be able to identify the most notable civilizations of Ancient History, Antiquity and the Middle Ages, and can describe the different stages of their development. Students will also be able to recognize and compare political, cultural and economic characteristics of different historical civilizations.

**Contents:**
Different stages of world history in Prehistory, Ancient History, Antiquity and the Middle Ages

**Mode of delivery:**
Contact teaching

**Learning activities and teaching methods:**
Lecture course

**Target group:**
Basic Level students

**Prerequisites and co-requisites:**
None

**Recommended optional programme components:**
Courses 700092P, 700093P

**Recommended or required reading:**

**Assessment methods and criteria:**
Formal lecture examination or book exam

**Grading:**
0-5

**Person responsible:**
Matti Enbuske

**Working life cooperation:**
No

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**700092P: Introduction to World History II, 3 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Oinas-Kukkonen, Henry Tapio

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**
ay700092P  Introduction to World History II (OPEN UNI)  3.0 op

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**
3
Language of instruction: Finnish
Timing: 1st year
Learning outcomes: Upon completion of the course, students can identify, describe and explain the most notable events and stages of modern and contemporary history, as well as adequately combine and contrast events with one another.
Contents: The most notable events and stages of modern and contemporary history.
Mode of delivery: Contact teaching
Learning activities and teaching methods: Lecture course and independent literature study
Target group: Students of History/History of Science and Ideas
Prerequisites and co-requisites: None
Recommended optional programme components: None
Recommended or required reading: Maailmanhistorian pikkujättiläinen (2006 pp. 494–1119).
The availability of course literature can be checked via WebOodi.
Assessment methods and criteria: Formal lecture examination and book exam; or by book exam alone
Grading: 0-5
Person responsible: Henry Oinas-Kukkonen
Working life cooperation: No

700204A: Introduction to Archival Research, 2 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Marianne Junila
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits: 2
Language of instruction: Finnish
Timing: 2nd year
Learning outcomes: Upon completion of the course, students can independently find information from archives and databases.
Contents: The student will familiarize himself/herself with various reference types, domestic and foreign source collections, databases and archives, and learns to find independently information required to solve a research problem.
Mode of delivery: Contact teaching
Learning activities and teaching methods: Lecture course and practicals
Target group: Students majoring or minoring in History/History of Science and Ideas
Prerequisites and co-requisites:
Co-requisite: 700300A Library Course

Recommended optional programme components:

Recommended or required reading:
An instruction hand-out and other material relating to practical work

Assessment methods and criteria:
Independent practical work

Grading:
0-5

Person responsible:
Marianne Junila

Working life cooperation:
No

Other information:
Organized in co-operation with the Provincial Archives of Oulu

700093P: Introduction to Finnish History, 4 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Vahtola, Jouko Olavi
Opintokohteen kielet: Finnish
Leikkaavuudet:
   ay700093P   Introduction to Finnish History (OPEN UNI)   4.0 op

Voidaan suorittaa useasti: Kyllä

ECTS Credits:
4
Language of instruction:
Finnish
Timing:
1st year

Learning outcomes:
Upon completion of the course, students can identify and explain the main stages, focal changes and turning points of the historical evolution of Finland, as well as the characteristics of different periods from the perspective of different fields of history.

Contents:
Studying Finnish history from the Middle Ages to modern times

Mode of delivery:
Contact teaching

Learning activities and teaching methods:
Lecture course, essay and book exam

Target group:
Basic Level History students, beginning of studies

Prerequisites and co-requisites:
None

Recommended optional programme components:
None

Recommended or required reading:
Jouko Vahtola, Suomen historia jääkaudesta Euroopan unioniin (Otava 2003, or later)

Assessment methods and criteria:
Formal lecture examination, essay and book exam; or by book exam alone

Grading:
0-5

Person responsible:
700098P: Introduction to Methodology, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Oinas-Kukkonen, Henry Tapio
Opintokohteen kielet: Finnish
Leikkaavuudet:
ay700098P Introduction to Methodology (OPEN UNI) 3.0 op

Voidaan suorittaa useasti: Kyllä

ECTS Credits:
3
Language of instruction:
Finnish
Timing:
1st year
Learning outcomes:
Upon completion of the course, students can recognize the principles, basic concepts, and methods of the study of history. Students can discuss the various phases of the process of interpreting the academic work of the field and the different aspects of source material criticism. Students can act systematically and analytically when studying academic information in the discipline.

Contents:
Principles, basic concepts, and methods of the study of history.

Mode of delivery:
Contact teaching

Learning activities and teaching methods:
Lectures and a short practical task on some problem of historical methodology, independent literature study

Target group:
Students of History/History of Science and Ideas

Prerequisites and co-requisites:
None

Recommended optional programme components:
None

Recommended or required reading:
The availability of course literature can be checked via WebOodi.

Assessment methods and criteria:
Formal lecture examination and book exam

Grading:
0-5

Person responsible:
Henry Oinas-Kukkonen

Working life cooperation:
No

700300A: Library Course, 1 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
ECTS Credits:
1
Language of instruction:
Finnish/English
Timing:
2nd–3rd year
Learning outcomes:
Upon completion of the course, students can search for scholarly information and evaluate different sources of information.
Contents:
- conceptualizing needed information, i.e. research topic, into search words
- the most useful databases and other information sources of the field
- information retrieval process: search methods and analysing search results
- utilizing reference organization systems
Mode of delivery:
Contact teaching
Learning activities and teaching methods:
Contact teaching, independent work
Target group:
Students majoring or minoring in History, History of Science and Ideas, or Museology
Prerequisites and co-requisites:
Recommended to be taken upon beginning the Candidate’s Thesis
Recommended optional programme components:
-
Recommended or required reading:
-
Assessment methods and criteria:
Participation in contact teaching, independent work, completing practical work
Grading:
Pass/fail
Person responsible:
Pegasus Library’s information service staff, pegasustieto(at)oulu.fi
Working life cooperation:
No
Other information:

700222S: Master’s Thesis, 40 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Advanced Studies
Laji: Diploma thesis
Vastuuyksikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

ECTS Credits:
40
Language of instruction:
Finnish
Timing:
4th-5th year
Learning outcomes:
In the Master’s Thesis, students have shown the ability to do research work and take part in academic dialogue. These abilities include proper usage of the central study methods of history, a good grasp of theories and ways of acquiring knowledge, and skills to present in a scholarly manner. Also, a critical approach to source materials, research literature, and scientific dialogue will be evident.

**Mode of delivery:**
Self study

**Learning activities and teaching methods:**
An independent Thesis, recommended length 70–90 pages

**Target group:**
Students majoring in History of Science and Ideas

**Prerequisites and co-requisites:**
Successful completion of the Basic and Intermediate Studies

**Recommended optional programme components:**
- 

**Assessment methods and criteria:**
An independent written thesis

**Grading:**
0-5

**Person responsible:**
Petteri Pietikäinen

**Working life cooperation:**
No

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**700224A: Maturity Test for Bachelor's Degree /History of Science and Ideas, 0 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuysikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**
0

**Language of instruction:**
Finnish/ Swedish (or native language)

**Timing:**
Third year, spring semester

**Learning outcomes:**
Students can write an essay, of high-level in content and language, in which they present the theoretical and methodological background and the central results of their thesis.

**Mode of delivery:**
Self study

**Learning activities and teaching methods:**
The Maturity Test can be written on a faculty exam date

**Target group:**
Students majoring in History of Science and Ideas

**Prerequisites and co-requisites:**
Submission and acceptance of a Candidate’s Thesis required

**Recommended optional programme components:**
- 

**Recommended or required reading:**
- 

**Assessment methods and criteria:**
An essay written in an exam setting

**Grading:**
Pass/fail

**Person responsible:**
A representative from the degree programme staff

**Working life cooperation:**
No
700225S: Maturity Test for Master's Degree / History of Science and Ideas, 0 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

ECTS Credits: 0
Language of instruction: Finnish/Swedish (or native language)
Timing: Fifth year, spring semester
Learning outcomes:
Students can discuss the central methodological premises, results and deductions of their Thesis expertly, concisely and selectively.
Mode of delivery:
Self study
Learning activities and teaching methods:
A summary of the Master's Thesis, written in the student's native language. The summary is written on a blank form, found on the faculty's website
Target group:
Students majoring in History of Science and Ideas
Prerequisites and co-requisites:
Submission of a Pro gradu-thesis is required
Recommended optional programme components:

Recommended or required reading:

Assessment methods and criteria:
A summary of the Thesis
Grading:
Pass/fail
Person responsible:
Instructor of the Master's Thesis
Working life cooperation:
No

700215S: Methodology in History of Science and Ideas, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits: 3
Language of instruction: Finnish
Timing: 4th-5th year
Learning outcomes:
Students can identify the theoretical and methodological premises of the History of Science and Ideas, and can apply them in their own thesis.

Contents:
Study of the methodology of research in the History of Science and Ideas

Mode of delivery:
Contact teaching or self study

Learning activities and teaching methods:
Seminar or book exam

Target group:
History of Science and Ideas students

Prerequisites and co-requisites:
Basic and Intermediate Studies

Recommended optional programme components:

Recommended or required reading:
Helge Kragh, Introduction to the Historiography of Science; and Hyrkkänen, Aatehistorian mieli

Assessment methods and criteria:
Revision exam

Grading:
0-5

Person responsible:
Petteri Pietikäinen

Working life cooperation:
No

700103Y: Personal Study Plan 1 (Bachelor’s degree), 0 op

Voimassaolo: 01.08.2009 -
Opiskelumuoto: General Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

ECTS Credits:
0

Language of instruction:
Finnish

Timing:
1 st year

Contents:
Students create a plan for completing their Candidate’s Theses. The plan is based on students’ own employment ambitions in relation to their education.

Mode of delivery:
Contact teaching

Learning activities and teaching methods:
Participation in information meetings and PSP meetings with teacher tutor, after which students plan and schedule their studies, using the PSP forms

Target group:
First year students majoring in History or History of Science and Ideas

Prerequisites and co-requisites:
Directly upon commencement of studies

Recommended optional programme components:

Recommended or required reading:
None

Assessment methods and criteria:
Written study plan

Grading:
Pass
700104Y: Personal Study Plan 2 (Bachelor's degree), 0 op

Voimassaolo: 01.08.2009 -
Opiskelumuoto: General Studies
Laji: Course
Vastuuyksikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

ECTS Credits:
0

Language of instruction:
Finnish

Timing:
2
2nd-3rd year

Contents:
Students update and check their Personal Study Plan in regards to completing their BA.

Mode of delivery:
Contact teaching

Learning activities and teaching methods:
Personal Study Plan meetings with teacher tutor and the instructor of the Candidate’s Seminar

Target group:
Students majoring in History or History of Science and Ideas

Prerequisites and co-requisites:
Students are to take Personal Study Plan 2 when they begin to write their Candidate’s Thesis

Recommended optional programme components:
-

Recommended or required reading:
-

Assessment methods and criteria:
Written study plan

Grading:
Pass

Person responsible:
Teacher tutor

Working life cooperation:
No

700227Y: Personal Study Plan 3 (Master's degree), 0 op

Voimassaolo: 01.08.2009 -
Opiskelumuoto: General Studies
Laji: Course
Vastuuyksikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

ECTS Credits:
0

Language of instruction:
Finnish

Timing:
Immediately after completion of BA
Learning outcomes:
Students will have a plan for completing their Master’s degree, including education in relation to future (employment) plans.

Mode of delivery:
Contact teaching

Learning activities and teaching methods:
Personal Study Plan meetings with a professor of History of Science and Ideas

Target group:
Students majoring in History of Science and Ideas

Prerequisites and co-requisites:
Basic and Intermediate Studies

Recommended optional programme components:
-

Recommended or required reading:
-

Assessment methods and criteria:
A written study plan

Grading:
Pass

Person responsible:
Professor of History of Science and Ideas

Working life cooperation:
No

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700214A: Proseminar (for minoring students), 10 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuyksikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Urpilainen, Erkki Juhani
Opintokohteen kielet: Finnish

ECTS Credits:
9

Language of instruction:
Finnish

Timing:
Second or third year

Learning outcomes:
Students can apply the methods of the History of Science and Ideas and complete an independent research project, and are capable of criticizing and discussing historical research. The Proseminar Thesis demonstrates the student’s capability to prepare essays, dissertations and seminar presentations that fulfil the methodological, language, and content requirements of the subject.

Contents:
Preparing and presenting a Candidate’s Thesis, opponenting, and a learning diary.

Mode of delivery:
Contact teaching

Learning activities and teaching methods:
Regular seminars

Target group:
Subsidiary subject students

Prerequisites and co-requisites:
Successful completion of Introduction to Research Practices (11 ECTS credits) required

Recommended optional programme components:
-

Recommended or required reading:
-

Assessment methods and criteria:
Active participation in the Candidate’s Seminars (at least 5 meetings), preparing and presenting a Candidate’s Thesis, opponenting a fellow student’s work, and a learning diary.

**Grading:**
The Thesis and Seminar participation are graded on a scale of 0–5

**Person responsible:**
Erkki Urpilainen

**Working life cooperation:**
No

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**700200P: Relation Between Science and Religion, 2 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuysikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**
ay700200P  Relation Between Science and Religion (OPEN UNI)  2.0 op

**ECTS Credits:**
2

**Language of instruction:**
Finnish

**Timing:**
Free

**Learning outcomes:**
Upon completion of the course, students can discuss how the relations between science and religion have developed, how science has tried to fit into the framework of religion, and how religion has tried to adapt to new scientific discoveries, from the Middle Ages to the modern day, in particular in the context of Western culture.

**Contents:**
History of the interaction between science and religion

**Mode of delivery:**
Contact teaching or self study

**Learning activities and teaching methods:**
Lecture course or book exam

**Target group:**
Students minoring in History of Science and Ideas

**Prerequisites and co-requisites:**
None

**Recommended optional programme components:**
None

**Recommended or required reading:**
The Cambridge Companion to Science and Religion; or
Kjell Jonsson, Harmoni eller konflikt?

**Assessment methods and criteria:**
Formal lecture exam or book exam

**Grading:**
0-5

**Person responsible:**
Heini Hakosalo

**Working life cooperation:**
No

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**700217S: Science Studies, 4 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Advanced Studies
ECTS Credits: 4

Language of instruction: Finnish

Timing: 4th-5th year

Learning outcomes: Students can discuss the central viewpoints in Science Studies and their basic concepts enabling the students to independently keep up with discussion related to the field. Students can apply the terminology offered by Science Studies to analyse phenomena in the history of science.

Contents: Study of the central questions in Science Studies

Mode of delivery: Contact teaching or self study

Learning activities and teaching methods: Lectures, online course or book exam

Target group: History of Science and Ideas students

Prerequisites and co-requisites: Basic and Intermediate Studies

Recommended optional programme components: -

Recommended or required reading: Mika Kiikeri & Petri Ylikoski, Tiede tutkimuskohteena; and Harry Collins & Trevor Pinch, The Golem – What Everyone Should Know About Science

Assessment methods and criteria: Lecture examination or book exam

Grading: 0-5

Person responsible: Petteri Pietikäinen

Working life cooperation: No

700095P: Sciences and the Evolution of World Views, 3 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuysikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opettajat: Kallinen, Maija Sinikka

Opintokohteen kiellet: Finnish

Leikkaavuudet:

ay700095P Sciences and the Evolution of World Views (OPEN UNI) 3.0 op

Voidaan suorittaa useasti: Kyllä

ECTS Credits: 3

Language of instruction: Finnish
Timing:
1st year

Learning outcomes:
Upon completion of the course, students can describe the evolution of scientific thought from antiquity to the modern day. They can recognize the turning points in the development of scientific thought and their significance in relation to world views. Students are capable of pinpointing the social prerequisites of the sciences, changes in the human relationship with nature and the concept of scientific rationality.

Contents:
History of scientific thinking from Antiquity to the present

Mode of delivery:
Contact teaching or self study

Learning activities and teaching methods:
Lecture course and independent literature study; or book exam

Target group:
Students majoring or minoring in History/History of Science and Ideas, students minoring in Ethics

Prerequisites and co-requisites:
None

Recommended optional programme components:
None

Recommended or required reading:
Peter Whitfield: Landmarks in Western Science

Assessment methods and criteria:
Formal lecture examination or book exam

Grading:
0-5

Person responsible:
Maija Kallinen

Working life cooperation:
No

700221S: Seminar, 10 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuyksikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

ECTS Credits:
10

Language of instruction:
Finnish

Timing:
4th-5th year

Learning outcomes:
After active participation in seminar work, students have the abilities required for research and scientific debate. Students demonstrate these abilities in their Master’s Thesis.

Mode of delivery:
Contact teaching

Learning activities and teaching methods:
Seminar

Target group:
Students majoring in History of Science and Ideas

Prerequisites and co-requisites:
Basic and Intermediate Studies

Recommended optional programme components:
-

Recommended or required reading:
-

Assessment methods and criteria:
Active participation in seminars until student’s thesis is completed, with a minimum of two semesters. Each student must present during the seminar
1) A research plan for their work
2) Disposition, introduction, and a chapter from the Master’s Thesis
3) A complete Master’s Thesis
Also, students must opponent a fellow student’s disposition/introduction/thesis chapter as well as opponent a completed Master’s Thesis and write a seminar diary from the seminars they participated in.

Grading:
0-5

Person responsible:
Petteri Pietikäinen

Working life cooperation:
No

700216S: Special Course in Methodology, 3 - 6 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits:
6

Language of instruction:
Finnish

Timing:
4th-5th year

Learning outcomes:
Students can choose and apply special skills in research

Contents:
Study of special methods used in research related to the History of Science and Ideas

Mode of delivery:
Contact teaching or self study

Learning activities and teaching methods:
For example, an alternate methods course, manuscript interpretation, or a basic course in Latin

Target group:
History of Science and Ideas students

Prerequisites and co-requisites:
Basic and Intermediate Studies

Recommended optional programme components:
-

Assessment methods and criteria:
To be agreed with the course teacher

Grading:
0-5

Person responsible:
Petteri Pietikäinen

Working life cooperation:
No

700205A: Special Nature of History of Science and Ideas, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
ECTS Credits: 3
Language of instruction: Finnish
Timing: Second year
Learning outcomes: Students can identify the methodological and theoretical characteristics unique to the field of the History of Science and Ideas, and can choose an appropriate method of study for different subjects.
Contents: Studying the methods of the History of Science and Ideas.
Mode of delivery: Contact teaching.
Learning activities and teaching methods: Literature seminar.
Target group: History of Science and Ideas students.
Prerequisites and co-requisites: Basic Studies.
Recommended optional programme components: -
Assessment methods and criteria: Formal exam.
Grading: Pass/fail.
Person responsible: Erkki Urpilainen.
Working life cooperation: No.

700209A: The Enlightenment and Romanticism, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Urpilainen, Erkki Juhani
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits: 3
Language of instruction: Finnish
Timing: 1st-3rd year
Learning outcomes: Students can define the central unique characteristics of science and ideas during the periods of the Enlightenment and Romanticism, and can contextualize the ideological world of the periods with their historical and social background.
Contents: The Enlightenment and Romanticism in the History of Science and Ideas.
Mode of delivery:
Contact teaching or self study
Learning activities and teaching methods:
Lectures and/or book exam
Target group:
History of Science and Ideas students
Prerequisites and co-requisites:
-
Recommended optional programme components:
-
Recommended or required reading:
Roy Porter, Enlightenment: Britain and the Creation of the Modern World (pp. 1–275); and
Gunnar Eriksson: Västerlandets idéhistoria 1800–1950 (pp. 11–64)
Assessment methods and criteria:
Formal lecture exam and/or book exam
Grading:
0-5
Person responsible:
Erkki Urpilainen
Working life cooperation:
No

700207A: The Middle Ages, 2 - 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Humanities
Arvostelu: 1 - 5, pass, fail
Opettajat: Urpilainen, Erkki Juhani
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits:
3
Language of instruction:
Finnish
Timing:
2nd-3rd year
Learning outcomes:
Students can define the central unique characteristics of science and ideas in the Middle Ages and contextualize the medieval ideological world with their historical and social background
Contents:
The Middle Ages in History of Science and Ideas
Learning activities and teaching methods:
Lectures and/or book exam
Target group:
History of Science and Ideas students
Prerequisites and co-requisites:
-
Recommended optional programme components:
-
Recommended or required reading:
Tuomas M. S. Lehtonen (ed.), Keskiajan kevät; or
Hirvonen & Saarinen (ed.), Keskiajan filosofia.
Assessment methods and criteria:
Formal lecture exam and/or book exam
Grading:
**700208A: The Renaissance and the Scientific Revolution, 3 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuysikkö:** Faculty of Humanities

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

**Opettajat:** Urpilainen, Erkki Juhani

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**
3

**Language of instruction:**
Finnish

**Timing:**
1st-3rd year

**Learning outcomes:**
Students can define the central unique characteristics of science and ideas in the 16\textsuperscript{th} and 17\textsuperscript{th} centuries, including scientific breakthroughs, and can contextualize the ideological world of these centuries with their historical and social background

**Contents:**
The 16\textsuperscript{th} and 17\textsuperscript{th} centuries in the History of Science and Ideas

**Mode of delivery:**
Contact teaching or self study

**Learning activities and teaching methods:**
Lectures and/or book exam

**Target group:**
History of Science and Ideas students

**Prerequisites and co-requisites:**
-

**Recommended optional programme components:**
-

**Recommended or required reading:**
Heikki Mikkeli & Timo Joutsivuo (eds.), Renessanssin tiede; and John Henry, The Scientific Revolution and the Origins of Modern Science

**Assessment methods and criteria:**
Formal lecture exam and/or book exam

**Grading:**
0-5

**Person responsible:**
Erkki Urpilainen

**Working life cooperation:**
No