

# Opasraportti

## HuTK - History of Science and Ideas (2012 - 2013)

### History of Science and Ideas

Address: History of Science and Ideas, PL 1000, 90014, University of Oulu, Finland

Telephone: +358 29 448 3313 (office/study guidance), paivi.kynkaanniemi@oulu.fi

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 also become 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 analyse 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)
5. 700214A Proseminar ( *for subsidiary students*)(9 ECTS credits)
6. 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: Bachelor's 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<sup>nd</sup> 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, dissent 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 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**Vastuuyksikkö:** 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:**

-

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Active participation in the Candidate's Seminars (10 meetings), preparing and presenting a Candidate's Thesis, opposing 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

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** 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<sup>st</sup> 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 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%

## 700203P: Cultural history, 2 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen oppimateriaali:**

**Pulkkinen, Jarmo** , , 2004

**Huizinga, Johan** , , 1989

**Whitrow, G. J.** , , 1999

**Ginzburg, Carlo** , , 1980

**Schivelbusch, Wolfgang** , , 1996

**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****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 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:**19<sup>th</sup> and 20<sup>th</sup> 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:**

-

**Recommended or required reading:**

Gunnar Eriksson, Västerlandets idéhistoria 1800–1950 (pp. 65–367);

plus a selection of texts from:

Niils 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

**700401A: Exercise Course in Methodology, 3 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:**

3

**Language of instruction:**

Finnish

**Timing:**

2<sup>nd</sup> 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:**

Students majoring or minoring in History

**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

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Urpilainen, Erkki Juhani

**Opintokohteen oppimateriaali:**

**Tommila Päiviö (toim.),** , 2001

**Tommila Päiviö (toim.),** , 2000

**Tommila Päiviö (toim.),** , 2002

**Tuomas M.S. Lehtonen & Timo Joutsivuo,** , 2002

**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 &amp; 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

**700094P: Finnish History of Science and Ideas, 2 op****Voimassaolo:** 01.08.2005 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Urpilainen, Erkki Juhani**Opintokohteen oppimateriaali:****Tuomas M.S. Lehtonen (toim.),** , 1999**Manninen, Juha (1)** , , 2000**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:**1<sup>st</sup> 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:**

0-5

**Person responsible:**

Erkki Urpilainen

**Working life cooperation:**

No

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

**Voimassaolo:** 01.08.2005 - 31.07.2015

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Ari Helo

**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 explain the basics fundamentals of the history of ideas in Asia, America and Africa and compare them with the Western history of ideas.

**Mode of delivery:**

Contact teaching or self study

**Learning activities and teaching methods:**

Lectures or book exam

**Target group:**

Students minoring in 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 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**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Fält, Olavi Kaarlo**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay700099P Historiography (OPEN UNI) 2.0 op

**Voidaan suorittaa useasti:** Kyllä**ECTS Credits:**

2

**Language of instruction:**

Finnish

**Timing:**1<sup>st</sup> 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

**Recommended or required reading:**

Päivi Setälä – Pekka Suvanto – Matti Viikari (Eds.), *Historiankirjoituksen historia* (1984) (pp. 7–141, 153–226, 252–332 and 366–377).

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

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Urpilainen, Erkki Juhani

**Opintokohteen oppimateriaali:**

**Pulkkinen, Jarmo** , , 2004

**Hudson, John** , , 2002

**Morton, A. G.** , , 1999

**Karttunen, Hannu** , , 2003

**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 tiede. Kemian historia;

A.G. Morton: Kasvitieteen historia;

Hannu Karttunen: Vanhin tiede. 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

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Pietikäinen, Petteri Olli

**Opintokohteen oppimateriaali:**

**Nordin, Svante** , , 1999

**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:**

Svante Nordin, Filosofian historia.

If this work has already been used in earlier studies, i.e. during Philosophy or Ethics Studies, an alternate book may be used upon agreement with the lecturer

**Assessment methods and criteria:**

Book exam

**Grading:**

0-5

**Person responsible:**

Petteri Pietikäinen

**Working life cooperation:**

No

## 700096P: History of Political and Social Ideas, 3 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Kallinen, Maija Sinikka

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay700096P History of Political and Social Ideas (OPEN UNI) 3.0 op

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

3

**Language of instruction:**

Finnish

**Timing:**

1st year

**Learning outcomes:**

Upon completing the course, the student will be able to describe the key developments in thinking about society, the state, politics and social movements, from Antiquity to the present.

**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:**

Lectures or literature exam on the examination day of the Faculty or History Sciences.

**Target group:**

Students majoring or minoring in History of Ideas and Sciences; 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 written exam or book exam

**Grading:**

0-5

**Person responsible:**

Maija Kallinen

**Working life cooperation:**

No

**700201P: History of Religious Ideas, 3 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay700201P History of Religious Ideas (OPEN UNI) 3.0 op

**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****Voimassaolo:** 01.08.2005 -**Opiskelumuoto:** Advanced Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Pietikäinen, Petteri Olli**Opintokohteen oppimateriaali:**

x, , 1990

x, , 1995

Hughes, Thomas P. , , 1998

Shapin, Steven , , 1989

**Opintokohteen kielet:** Finnish**Voidaan suorittaa useasti:** Kyllä**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 oppimateriaali:**

Misa, Thomas J. , , 2004

**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);

and

Thomas J. Misa, Leonardo: Technology & Culture from the Renaissance to the Present

**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

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Pietikäinen, Petteri Olli

**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**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Matti Enbuske**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay700091P Introduction to World History I (OPEN UNI) 3.0 op

**Voidaan suorittaa useasti:** Kyllä**ECTS Credits:**

3

**Language of instruction:**

Finnish

**Timing:**1<sup>st</sup> 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:**

Maailmanhistorian pikkujättiläinen (2006, pp. 7–493); Bo Pederby &amp; Robert Sandberg: Historian Kartasto, 1. revised edition.

**Assessment methods and criteria:**

Formal lecture examination or book exam

**Grading:**

0-5

**Person responsible:**

Matti Enbuske

**Working life cooperation:**

No

**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:**1<sup>st</sup> 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).

Additional readings: Bo Pederby &amp; Robert Sandberg: Historian Kartasto (Otava 1997).

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

**Vastuuyksikkö:** 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:**

2<sup>nd</sup> 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

**Vastuuyksikkö:** 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:**

1<sup>st</sup> 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:**

Jouko Vahtola

**Working life cooperation:**

No

## 700098P: Introduction to Methodology, 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:**

ay700098P Introduction to Methodology (OPEN UNI) 3.0 op

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

3

**Language of instruction:**

Finnish

**Timing:**

1<sup>st</sup> 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:**

Jussi T. Lappalainen, Haluatko historiankirjoittajaksi? (Helsinki: SKS, 2002)

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

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

1

**Language of instruction:**

Finnish/English

**Timing:**

During periods I, II, III & IV

**Learning outcomes:**

Upon completion of the course, the student will be able to search scientific information. The student will be able to use most important databases of the discipline and evaluate different information sources

**Contents:**

- Transforming information need to search terms
- Most important databases of the discipline
- Search process: search techniques & analysing search results  
Using reference management software

**Mode of delivery:**

Face-to-face teaching or web-based teaching

**Learning activities and teaching methods:**

Several methods: lectures or web-based teaching, self study

**Target group:**

Students of history and museology

**Recommended optional programme components:**

Recommended to take the course at the beginning of proseminar

**Recommended or required reading:**

-

**Assessment methods and criteria:**

Participation in classroom teaching and successful completion of the course assignments

**Grading:**

Pass/fail

**Person responsible:**

Information specialist at the Pegasus Library

**Other information:**

Web page: <https://kirjasto.drupal.oulu.fi/fi/700300a>

**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

**Opettajat:** Pietikäinen, Petteri Olli

**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

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

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** 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

Vastuuyksikkö: 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

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Pietikäinen, Petteri Olli

**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

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

0

**Language of instruction:**

Finnish

**Timing:**

1<sup>st</sup> 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

**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

**Person responsible:**

Teacher tutor

**Working life cooperation:**

No

## 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<sup>nd</sup>-3<sup>rd</sup> 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

**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

**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, opposing, 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, opposing 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

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

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** 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

## 700217S: Science Studies, 4 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Pietikäinen, Petteri Olli

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**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 &amp; Petri Ylikoski, Tiede tutkimuskohteena;

and

Harry Collins &amp; 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**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Kallinen, Maija Sinikka**Opintokohteen kielet:** 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 completing the course, the student will be able to describe the key developments in scientific thinking from Antiquity to the present. He/she will be familiar with the greatest revolutions in scientific thinking, understanding their importance from the viewpoint of world views. The student will also be able to pinpoint various social conditions for science, changes in man's relationship to 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:**

Web course (limited participation) or literature exam on the examination day of the Faculty or History Sciences

**Target group:**

Students majoring or minoring in History of Ideas and Sciences; 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 exam 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**Opettajat:** Pietikäinen, Petteri Olli**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**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Pietikäinen, Petteri Olli**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

**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:**

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

**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:**

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

**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:**

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:**

0-5

**Person responsible:**

Erkki Urpilainen

**Working life cooperation:**

No

## 700208A: The Renaissance and the Scientific Revolution, 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:**

Students can define the central unique characteristics of science and ideas in the 16<sup>th</sup> and 17<sup>th</sup> centuries, including scientific breakthroughs, and can contextualize the ideological world of these centuries with their historical and social background

**Contents:**

The 16<sup>th</sup> and 17<sup>th</sup> 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