

# Opasraportti

## FHum - Information Studies (2017 - 2018)

### Information Studies

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Website: <http://www.oulu.fi/informationstudies/>

### Admission requirements

Information Studies is one of the majors of the Degree Programme in History, Culture and Communication.

In order to study Information Studies as a major subject, students need to pass an entrance examination held every spring (more information about admissions available at <http://www.oulu.fi/english/admissions>). Students who wish to study Information Studies as a subsidiary (minor) subject are required to take a placement test.

### Study guidance

Study guidance is provided by University Lecturer Terttu Kortelainen during her office hours announced each term. Room HU123, telephone +358 29 448 3355

Students majoring in Information Studies compile a personal study plan (PSP or HOPS in Finnish), for which instruction is given during the first autumn term. Students are divided into 2 or 3 groups for the PSP, and meet each term. The groups are led by teacher tutors who are announced at the beginning of each academic year.

Advice and guidance is also provided by the representatives of the student organisation Index ry.

General study guidance is provided by the Chief Academic Officer of the Faculty. Information regarding subsidiary (minor) studies is provided by the person responsible for study guidance of the subject in question.

Specific information related to courses and teaching is made available online in Weboodi, via mailing lists and Optima, as well as during courses. Active participation is required in contact teaching.

### Information Studies and employment prospects

Information Studies is part of the Human Sciences belonging to the Communication Sciences. Research in the field focuses on the production, organisation, acquisition, dissemination, use and effectiveness of information and other cultural content in different environments. The basic research, applied research and commissioned studies of Information Studies are multidisciplinary, interdisciplinary and of high quality in the international perspective.

Information Studies did extremely well in the Evaluation of Communications Research done by the Academy of Finland in 2013 (see [Academy of Finland](#)) as well as in Research Assessment Exercise (RAE) done by the Oulu University in 2014 and 2007.

Research on literacies in the University of Oulu is conducted in co-operation with the Faculty of Education and the different fields of technology. Health Information and Communication research is done collaboratively with Clinical Medicine, Biomedical Engineering, National Health Sciences, Sports Medicine, Nutritional Science and Information Systems Science. Research on Knowledge Management, Social Interaction and Communication is done collaboratively with Economics. There is also co-operation with Åbo Akademi University, University of Tampere and University of Sheffield in Great Britain.

Along with Internet, the need of experts on Information Studies has increased in different disciplines. Studies in Information Studies prepare students for work in companies and public organisations in the service industry and as a designer, a developer, a researcher. Additionally, the studies qualify students to work as an expert in different types of libraries, archives and museums. Possible titles are for example Information Specialist, Information Manager, Knowledge Manager or Librarian or Head of the Library.

The University of Oulu, multidisciplinary in nature, makes it possible to choose subsidiary subjects from a wide variety of subjects. Students majoring in Information Studies may freely choose subsidiary subjects from the Faculties of the University or other universities. A degree can include two or four subsidiary subjects (the Basic Studies of two or three subjects and Intermediate Studies of one, for example). In general, Master's Degrees with combinations of Information Studies, Education, Information Processing Science, Business Economics or Administrative Sciences are valued in working life. Information Studies is connected to the Master's Degree programme in Science Communication (TIEMA, <http://www oulu fi/sciencecommunication/>), which is unique in Finland. This makes it possible for students to emphasise the communication studies as part of their expertise in the field of Information Studies.

The compulsory Information and Communication Technology Studies provide students with the necessary skills in informational occupations. It is recommended that students take the courses in the beginning of the studies. This applies to students minoring in the subject as well. More extensive studies in Information Processing Science help students in acquiring a job as an expert in the field and Intermediate Studies are necessary when working as a technological expert. Communication and people skills are essential and pedagogical skills are increasingly needed.

A practical training period is usually completed during the summer after the first or second year. It can be done in information-related posts in different information-based organisations, libraries, archives, museums, companies or other information-based organisations. The training period usually lasts two or three months (5 or 8 ECTS credits respectively). The training placement must be agreed upon with the programme's instructor. Previous work experience can shorten or compensate for the practical training period.

As part of internationalisation, there is an exchange programme for students, teachers or researchers. Partner universities are located worldwide. Exchange to European universities is organised by Erasmus Programme, and to the Nordic Countries by Nordplus Programme.

### **Study packages and learning outcomes**

Upon completion of the Basic Studies package, students will have elementary skills in Information Studies, which involves understanding the essential theories, terminology and principles as well as applying them in different information environments in practice.

Upon completion of the Intermediate Studies package, students will have extensive knowledge of Information Studies. Students will be able to apply the essential theories, terminology and methods to investigative examination, evaluation and development of phenomena in the field in practical environments. Students will be able to independently work in the jobs of the field.

Upon completion of the Advanced Studies package, students will have extensive, fundamental knowledge of Information studies. Students will be able to understand and critically evaluate the theories, terminology and methods of the field. As experts, students will be able to apply them to the study and analysis of the phenomena of the field, advancing the functions related to them in addition to being capable of decision making in demanding and unexpected operational environments. Students will be able to assess and develop their expertise and, in addition, to work in administrative occupations in communities and organisations.

## Language, communications and method studies in Information Studies (minimum of 20 ECTS credits)

In addition to general language, communication and method studies, they include a minimum of 5 ECTS credits of studies in Information Processing Science, which can be chosen for example from the following courses. More information in the Information Processing Science study guide.

# Tutkintorakenteet

## Master's Degree/Information Studies

Tutkintorakenteen tila: published

Lukuvuosi: 2017-18

Lukuvuoden alkamispäivämäärä: 01.08.2017

### Advanced Studies

A112803: Information Studies, Advanced Studies, 80 op

#### *Alternative literature exams*

- 694637S: Health information and communication, 5 op
- 694668S: Research on Information Environments and Scientific Communication, 5 op
- 694669S: Research on Information Behaviour and Practices, 5 op
- 694672S: Research on Information Management and Knowledge Management, 5 op
- 694673S: Research on Information Seeking and Retrieval, 5 op
- 694685S: Research on Information Retrieval, 5 op
- 694683S: Research on information storage and retrieval, 5 op

#### *Alternative*

- 694644S: Sociology and Philosophy of Science, 5 op
- 694675S: Other Research Area of Information Studies, 5 op

#### *Compulsory*

- 700169P: Introduction to Scientific Thinking, 5 op
- 694682S: Research Methods, 5 op
- 694632S: Master's Thesis Seminar, 10 op
- 694582S: Master's Thesis, 40 op
- 694584S: Maturity Test (for Master's Degree/Information Studies), 0 op

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- 694583S: Thesis for Subsidiary Subject Students, 20 op

## Candidate's Degree/Information Studies

Tutkintorakenteen tila: published

Lukuvuosi: 2017-18

Lukuvuoden alkamispäivämäärä: 01.08.2017

### Basic Studies (vähintään 25 op)

A112801: Information Studies, Basic Studies, 25 op

#### *Compulsory Basic Studies*

- 694677P: Introduction to Information Studies, 5 op
- 694660P: Information Environments and Collections, 5 op

- 694661P: Literacies in Different Information Environments, 5 op  
 694662P: Information Behaviour and Practices, 5 op  
 694678P: Information Seeking and Information Retrieval, 5 op

## Intermediate Studies

A112802: Information Studies, Intermediate Studies, 35 - 45 op

### *Compulsory intermediate studies*

- 694679A: Information Law and Ethics, 5 op  
 694680A: Information Storage and Organization, 5 op  
 700332P: Introduction to Digital Humanities, 5 op  
 694681A: Informetrics, 5 op  
 694666A: Management of Knowledge-Based Organisations, 5 op  
 694557A: Practical Training, 5 - 8 op

### *Alternative*

- 694686A: Library Services for Children and Young People, 5 op  
 695100P: Introduction to Communication Studies, 5 op  
 694597S: Introduction to Science Communication, 5 op  
 694531S: Changing Media Culture, 5 op  
 694533S: Communication Research, 5 op  
 695105P: PR-Communication, 5 op

### *Elective studies for major subject students*

- 694602A: Bachelor's Seminar and Thesis, 8 op  
 694667A: Bachelor's Thesis, 6 op  
 694573A: Maturity Test (for Bachelor's Degree/Information Studies), 0 op

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- 694612A: A Supplementary Literature Examination, 5 op

## Studies in Minor Subject

## Other Studies

## Language and Communication Studies

# Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

- 694643S: History and Politics of Science, 5 op  
 694622A: Library Services for Children and Young People, 3 op

## Opintojaksojen kuvaukset

## Tutkintorakenteisiin kuuluvien opintokohteiden kuvaukset

A112803: Information Studies, Advanced Studies, 80 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Study module

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Terttu Kortelainen

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

*Alternative literature exams*

**694637S: Health information and communication, 5 op**

**Voimassaolo:** 01.08.2013 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

5 ECTS credits, 135 hours of work

**Language of instruction:**

Finnish or English

**Timing:**

4<sup>th</sup> or 5<sup>th</sup> year

**Learning outcomes:**

Upon completion of the course, students will be able to analyse the theoretical premises, research objects and methods regarding health information. Students will be able to analyse the theoretical frameworks of information behaviour in relation to the models of health behaviour and to utilise it when planning the promotion of health care and well-being.

**Contents:**

Research of health and well-being from the perspectives of information behaviour and practices; the models of behavioural change; promoting health and well-being; tailoring of health information and communication

**Mode of delivery:**

Contact teaching and independent study

**Learning activities and teaching methods:**

Lectures, exercises, group work or a book exam, approximately 30 hours of contact teaching and 105 hours of independent study

**Target group:**

Students majoring and minoring in Information Studies

**Prerequisites and co-requisites:**

The completion of the Basic Studies package and the course *Literacies, Evaluation and Informetrics* is required.

**Recommended or required reading:**

Online material, articles from the reading list and the following books:

Johnson, D. & Case, D.O. (2012) *Health Information Seeking*

Reivinen, J. & Vähäkylä, L. (Eds.) (2012) *Kansan terveys, yksilön hyvinvointi*

**Assessment methods and criteria:**

Group work or book exam

**Grading:**

0–5

**Person responsible:**

Professor or University Lecturer

**Working life cooperation:**

None

**Other information:**

It is possible to include this course as a 3–5 ECTS-credit variant in the alternative courses of Intermediate Studies.

**694668S: Research on Information Environments and Scientific Communication, 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits, 135 hours of work

**Language of instruction:**

Finnish or English

**Timing:**

4<sup>th</sup> or 5<sup>th</sup> year

**Learning outcomes:**

Upon completion of the course, students will be able to analyse the theoretical articulations of scientific communication and related research questions, and the application of informetric methods to different information environments.

**Contents:**

Scientific communication, informetric research, different information environments

**Mode of delivery:**

Independent study

**Learning activities and teaching methods:**

Book exam, 135 hours of independent study

**Target group:**

Students majoring and minoring in Information studies

**Prerequisites and co-requisites:**

The completion of the Basic Studies and Intermediate Studies packages is required.

**Recommended or required reading:**

- a) de Bellis, N. (2009) *Bibliometrics and Citation Analysis*.
- b) Feldung, R.B. (2007) *Scientific Communication. Economic Analysis of the Electronic Journal Market*.
- d) Holmberg, K. (2009) *Webometric Network Analysis: Mapping Cooperation and Geopolitical Connections Between Local Government Administration on the Web*.
- e) Vinkler, P. (2010) *The Evaluation of Research by Scientometric Indicators*.
- f) Jankowski, N.W. (2009) *E-Research: Transformation in Scholarly Practice*.

**Assessment methods and criteria:**

Book exam

**Grading:**

0–5

**Person responsible:**

University Lecturer

**Working life cooperation:**

None

**694669S: Research on Information Behaviour and Practices, 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credit, 135 hours of work

**Language of instruction:**

Finnish or English

**Timing:**

4<sup>th</sup> or 5<sup>th</sup> year

**Learning outcomes:**

Upon completion of the course, students will be able to compare the main theories, models and theoretical parsing of information behaviour and information practices. Students will be able to identify the philosophical premises of science and the methodological possibilities applicable to them.

**Contents:**

The main theories of information behaviour and information practices, theoretical parsing and methods

**Mode of delivery:**

Independent study

**Learning activities and teaching methods:**

Book examination, 135 hours of independent study

**Target group:**

Students majoring and minoring in Information Studies

**Prerequisites and co-requisites:**

The completion of the Basic Studies and Intermediate Studies packages is required.

**Recommended or required reading:**

- a) Bruce, C., Davies, K., Hughes, H., Partridge, H. & Stoodley, I. (2014) *Information Experience. Approaches to Theory and Practice*.
- b) Case, D.O. (2012) *Looking for Information: A Survey of Information Seeking, Needs, and Behavior*. 3<sup>rd</sup> ed.
- c) Cole, C. (2012) *Information Need: A Theory Connecting Information Search to Knowledge Formations*.
- d) Heinström, J. (2010) *From Fear to Flow: Personality and Information Interaction*.
- e) Jaeger, P. T. & Burnett, G. (2011) *Information Worlds: Social Context, Technology and Information Behaviour in the Age of the Internet*.
- f) Savolainen, R. (2008) *Everyday Information Practices. A Social Phenomenological Perspective*.

**Assessment methods and criteria:**

Book exam

**Grading:**

0–5

**Person responsible:**

Professor or University Lecturer

**Working life cooperation:**

None

## 694672S: Research on Information Management and Knowledge Management, 5 op

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Anna Suorsa

**Opintokohteen kielet:** Finnish

### ECTS Credits:

5 ECTS credits, 135 hours of work

### Language of instruction:

Finnish or English

### Timing:

4<sup>th</sup> or 5<sup>th</sup> year

### Learning outcomes:

Upon completion of the course, students will be able to analyse the theoretical premises, methods and tools of information and knowledge management, and justify their significance and function in different information and organisation environments.

### Contents:

Information management, knowledge management, information and knowledge in organisation environments, information and knowledge sharing and creating new knowledge in knowledge-based organisations

### Mode of delivery:

Independent study

### Learning activities and teaching methods:

Book exam, 135 hours of independent study

### Target group:

Students majoring and minoring in Information Studies

### Prerequisites and co-requisites:

The completion of the Basic Studies and Intermediate Studies packages is required.

### Recommended or required reading:

Hislop, D. (2013) Knowledge Management in organizations. A critical introduction. 3<sup>rd</sup> ed.

Dalkir, K. (2011) Knowledge Management in theory and practice. 2<sup>nd</sup> ed.

Chu, S., Ritter, W. & Hawamdeh, S. (Toim.) (2010) Managing knowledge for global and collaborative innovations. Series on Innovation and Knowledge Management, Vol. 3.

Becerra-Fernandez, I. & Leidner, D. (Toim.) (2008) Knowledge management: an evolutionary view.

McInerney, C. & Koenig, M.E.D. (Toim.) (2011) Knowledge Management processes in organizations.

Känsäkoski, H. (2014) Value creation in childhood obesity care and prevention.

<http://herkules oulu.fi/isbn9789526204130/isbn9789526204130.pdf>

### Assessment methods and criteria:

Book exam

### Grading:

0–5

### Person responsible:

Professor

### Working life cooperation:

None



**694673S: Research on Information Seeking and Retrieval, 5 op****Voimassaolo:** 01.08.2015 -**Opiskelumuoto:** Advanced Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

5

**Language of instruction:**

Finnish or English

**Timing:**4<sup>th</sup> or 5<sup>th</sup> year**Learning outcomes:**

Upon completion of the course, students will be able to identify and analyse specific questions, main theories and methods and the research related to information seeking and information storage and retrieval.

**Contents:**

Research on information seeking and storage, the methods and contexts of information seeking and retrieval, the methods of and research on content representation, and retrieval based on it

**Mode of delivery:**

Independent study

**Learning activities and teaching methods:**

Book exam, 135 hours of independent study

**Target group:**

Students majoring and minoring in Information Studies

**Prerequisites and co-requisites:**

The completion of the Basic Studies and Intermediate Studies packages is required.

**Recommended or required reading:**

- a) Fidel, R. (2012) *Human Information Interaction: An Ecological Approach to Information Behavior*.
- b) Curras, E. (2010) *Ontologies, Taxonomies and Thesauri in Systems Science and Systematics*.
- c) Ingwersen, P. & Järvelin, K. (2005) *Turn - Integration of Information Seeking and Retrieval in Context*.
- d) Kekäläinen, J. (1999) *Effects of Query Complexity, Expansion and Structure on Retrieval Performance in Probabilistic Text*.
- e) Bean, C. A. & Green, R. (Eds.) (2010) *Relationships in the Organization of Knowledge*.
- f) Warner, J. (2010) *Human Information Retrieval*.
- g) White, R.W. & Roth, R.A. (2009) *Exploratory Search*.

**Assessment methods and criteria:**

Book exam

**Grading:**

0–5

**Person responsible:**

University Lecturer

**Working life cooperation:**

None

**694685S: Research on Information Retrieval, 5 op****Voimassaolo:** 01.08.2017 -**Opiskelumuoto:** Advanced Studies**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish or English

**Timing:**

4th or 5th year

**Learning outcomes:**

A student recognises and can analyse the specific problems, main theories of information retrieval, and research on them.

**Contents:**

Research on and theories, modes and contexts of information retrieval

**Mode of delivery:**

Independent work.

**Learning activities and teaching methods:**

Literature exam in the examinarium.

**Target group:**

Major subject students and minor subject students.

**Prerequisites and co-requisites:**

Basic and intermediary studies of information studies.

**Recommended optional programme components:**

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**Recommended or required reading:**

Warner, J. 2010: Human information retrieval; Fidel, R. 2012: Human information interaction: an ecological approach to information behavior.

**Assessment methods and criteria:**

Literature exam

**Grading:**

0-5

**Person responsible:**

university lecturer

**Working life cooperation:**

-

**Other information:**

Literature exam in the Examinarium.

**694683S: Research on information storage and retrieval, 5 op**

**Voimassaolo:** 01.08.2017 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish or English

**Timing:**

4th or 5th year

**Learning outcomes:**

A student recognises and can analyse problems and methods of information storage and the demands of the modes of information retrieval poses to them.

**Contents:**

The methods of information storage and the impact of the modes of search poses on them.

**Mode of delivery:**

Independent work

**Learning activities and teaching methods:**

Book exam

**Target group:**

Major subject students and minor subject students

**Prerequisites and co-requisites:**

Basic and intermediary studies of information studies

**Recommended optional programme components:**

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**Recommended or required reading:**

Curras, E. 2010: Ontologies, taxonomies and thesauri in systems science and systematics; C. A. Bean & R. Green (toim.) 2010: Relationships in the organization of knowledge; White, R. W. & Roth, R. A. 2009: Exploratory Search. 98 s.

**Assessment methods and criteria:**

Literature exam in the Examinarium

**Grading:**

0-5

**Person responsible:**

university lecturer

**Working life cooperation:**

-

**Other information:**

Literature exam in the Examinarium

*Alternative***694644S: Sociology and Philosophy of Science, 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Kallinen, Maija Sinikka

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish

**Timing:**2<sup>nd</sup> year**Learning outcomes:**

Students will have a general knowledge of philosophic theories of science and analysis of scientific argumentation, as well as different points of view of the study of science and the sociology of science. Students will be able to recognise the central theories of the philosophy of science, and they will be able to analyse scientific discourse. Students will be able to recognise and analyse the sociological factors of the interaction between science and society. Students will also be able to describe the key elements of the most important approaches in the sociology of science.

**Contents:**

The key concepts and theories of the philosophy of science and the sociology of science

**Mode of delivery:**

Contact teaching, independent study

**Learning activities and teaching methods:**

Lectures 30h / independent study 105h

**Target group:**

Students of TIEMA and students of Information Studies

**Assessment methods and criteria:**

Lecture and book exam

**Grading:**

The course uses a numerical grading scale 1–5. In the numerical scale, 0 (zero) means fail.

**Person responsible:**

University Lecturer Maija Kallinen

**Working life cooperation:**

None

**694675S: Other Research Area of Information Studies, 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5

**Language of instruction:**

Finnish or English

**Timing:**

To be agreed upon on an individual basis

**Mode of delivery:**

Independent study

**Target group:**

Students majoring in Information Studies

**Assessment methods and criteria:**

To be agreed upon on an individual basis

**Grading:**

0-5; or pass/fail

**Other information:**

Alternative courses according to TIEMA's study plan:

- 694535S Philosophy of Science and Scientific Argumentation
- 694536S Sociology of Science
- 694534S History of Science
- 694538S Politics of Science

### *Compulsory*

#### **700169P: Introduction to Scientific Thinking, 5 op**

**Voimassaolo:** 01.08.2017 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Pietikäinen, Petteri Olli

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 135 hours work

**Language of instruction:**

Finnish or English

**Timing:**

varies according to major subject

**Learning outcomes:**

Students become acquainted with the basic characteristics of scientific thinking and can describe the differences and similarities between scientific and non-scientific thinking.

**Contents:**

Students familiarize with the basic features of scientific thinking. During the course students discuss the meaning of knowledge, and in particular the scientific knowledge. The boundaries of science and pseudoscience, the differences and similarities between human sciences and natural sciences, the scientific argumentation, the critical source literacy, the processes of observation, inference and interpretation, the ethics and norms in science, the publicity of science and the encryption of knowledge, the scientific communication, and the historical development of scientific thinking are dealt during the course.

**Mode of delivery:**

face-to-face teaching 24 h and independent work 111 h

**Learning activities and teaching methods:**

lectures and supplementary assignment

**Target group:**

students in degree programme in history, culture and communication

**Recommended optional programme components:**

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

**Recommended or required reading:**

Leila Haaparanta & Ilkka Niiniluoto: Johdatus tieteelliseen ajatteluun

**Assessment methods and criteria:**

Lectures, **lecture journal** and book exam. Active participation in teaching discussions, knowledge of the topic shown with lecture journal, accepted book exam. Read more about assessment criteria at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Petteri Pietikäinen

**Other information:**

joint and compulsory course for all students in the degree programme in history, culture and communication

**694682S: Research Methods, 5 op**

**Voimassaolo:** 01.08.2017 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits

**Language of instruction:**

Finnish

**Timing:**

4th or 5th year, periods I and II

**Learning outcomes:**

Upon completion of the course, students will be able to carry out a small-scale empirical research project. Students will be able to justify the choice of research method and operationalise theoretical terminology. Additionally, students will be able to comply with the principles of scholarly research, writing and practices.

**Contents:**

The main research methods of Information Studies, and applying one or more of them to empirical research.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Lectures, exercises, independent research and presentation, acting as an opponent, approximately 60 hours of contact teaching and 210 hours of independent study

**Target group:**

Students majoring and minoring in Information Studies

**Prerequisites and co-requisites:**

The course is an independent course, no other simultaneous studies required.

**Recommended optional programme components:**

The course is an independent course, no other simultaneous studies required.

**Recommended or required reading:**

Lecture material and Tuomi, J. & Sarajärvi, A. (2009) Laadullinen tutkimus ja sisällönanalyysi.

**Assessment methods and criteria:**

Active participation, exercises, carrying out and presenting research, acting as an opponent. Approx. 15 h contact studies, 80 h independent work

**Grading:**

0-5

**Person responsible:**

University lecturer

**Other information:**

It is possible to complete a part of the course as distance study.

**694632S: Master's Thesis Seminar, 10 op**

**Voimassaolo:** 01.08.2009 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

10 ECTS credits, 270 hours of work

**Language of instruction:**

Finnish

**Timing:**

4<sup>th</sup> or 5<sup>th</sup> year

**Learning outcomes:**

Upon completion of the course, students will be able to plan and carry out an empirical study on the topic they have chosen.

**Contents:**

Information seeking and retrieval, literature review and research plan on the topic chosen by the student, scientific discussion, scholarly expression, writing and practices

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Lectures, seminar, approximately 60 hours of contact teaching, 210 hours of independent study

**Target group:**

Students majoring in Information Studies

**Prerequisites and co-requisites:**

The completion of the Basic Studies and Intermediate Studies packages is required.

**Recommended or required reading:**

Lecture material

**Assessment methods and criteria:**

Active participation in the seminar during two terms; two seminar presentations: literature review and research plan; additionally, thesis drafts can be presented in the seminar; active working with the peer group

**Grading:**

Pass/Fail

**Person responsible:**

Professor and University Lecturer

**Working life cooperation:**

None

**694582S: 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 ECTS credits, 1080 hours of work

**Language of instruction:**

Finnish or English

**Timing:**

4<sup>th</sup> or 5<sup>th</sup> year

**Learning outcomes:**

Upon completion of the course, students will have been able to independently plan and carry out scholarly research complying with the principles and ethical research methods of scholarly writing.

**Mode of delivery:**

Independent study

**Learning activities and teaching methods:**

Supervised independent study, 1080 hours

**Target group:**

Students majoring in Information Studies

**Prerequisites and co-requisites:**

The completion of the Basic Studies and Intermediate Studies packages and the course *694632S Master's Seminar* is required.

**Assessment methods and criteria:**

Writing a Master's Thesis on the topic agreed on

**Grading:**

0–5

**Person responsible:**

Professor and University Lecturer

**Working life cooperation:**

None

**694584S: Maturity Test (for Master's Degree/Information Studies), 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 or Swedish (native language)

**Timing:**

After the completion of the Master's Thesis

**Learning outcomes:**

Upon completion of the course, students will have been able to describe the main methodological premises, results and conclusions of their theses in an expert, concise and selective manner.

**Contents:**

Abstract of the Master's Thesis

**Mode of delivery:**

Independent study

**Learning activities and teaching methods:**



An abstract of the Master's Thesis will be written in the student's native language on template form available on the website of the faculty.

**Target group:**

Students majoring in Information Studies

**Prerequisites and co-requisites:**

Before the completion of the course, it is required that students' Master's Theses have been submitted for evaluation.

**Assessment methods and criteria:**

Abstract based on the thesis

**Grading:**

Pass/Fail

**Person responsible:**

Professor or University Lecturer

**Working life cooperation:**

None

e

**694583S: Thesis for Subsidiary Subject Students, 20 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:**

20 ECTS credits, 540 hours of work

**Language of instruction:**

Finnish or English

**Timing:**

4<sup>th</sup> or 5<sup>th</sup> year

**Learning outcomes:**

Upon completion of the course, students will have been able to independently carry out a scholarly research project complying with the principles and ethical research methods of scholarly writing.

**Mode of delivery:**

Independent study

**Learning activities and teaching methods:**

Writing a thesis on the topic agreed on, 540 hours of independent study

**Target group:**

Students minoring in Information Studies

**Prerequisites and co-requisites:**

The completion of the Basic Studies and Intermediate Studies packages and the course *694632S Master's Seminar* is required.

**Assessment methods and criteria:**

Writing a thesis on the topic agreed on

**Grading:**

0–5

**Person responsible:**

Professor and University Lecturer

**Working life cooperation:**

None

## **A112801: Information Studies, Basic Studies, 25 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Study module

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Terttu Kortelainen

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

*Compulsory Basic Studies*

### **694677P: Introduction to Information Studies, 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits, 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

1<sup>st</sup> year, periods I and II

**Learning outcomes:**

Upon completion of the course, students will be able to identify the focal fields, objects of research and the central concepts of Information Studies, and to analyse their mutual relationships.

**Contents:**

The development of Information Studies as a discipline, basic terminology, research objects and areas

**Mode of delivery:**

Contact teaching and/or online teaching

**Learning activities and teaching methods:**

Lectures, exercises in groups, compiling a portfolio. Approximately 40 hours of contact teaching and 95 hours of independent study

**Target group:**

Students majoring and minoring in Information Studies

**Recommended or required reading:**

Lecture material and literature announced during lectures

**Assessment methods and criteria:**

Active participation in lectures, exercises, portfolio

**Grading:**

Pass/Fail

**Person responsible:**

Professor

**Working life cooperation:**

None

**694660P: Information Environments and Collections, 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits, 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

1<sup>st</sup> year, period I

**Learning outcomes:**

Upon completion of the course, students will be able to identify many different forms of documentation. Students will be able to describe the volume, forms and contents of document production, and to assess the significance of the forms of the documents regarding collection work.

**Contents:**

Forms of documentation, the production of different types of publishing, such as the different fields of traditional publishing production and different areas of digital documentation (open science, open data and archives, open access), collections and collection work

**Mode of delivery:**

Contact teaching and/or online teaching

**Learning activities and teaching methods:**

Lectures and exercises. Approximately 30 hours of contact teaching and 105 hours independent study

**Target group:**

Students majoring and minoring in Information Studies

**Prerequisites and co-requisites:**

None

**Recommended or required reading:**

Lecture material;

Wilen, R. & Kortelainen, T. (2007) Kirjastokokoelmien kehittämisen ja arvioinnin perusteet.

Inkinen, T., Löytönen, M. & Rutanen, A. (Toim.) (2014) Kirja muuttuvassa tietoympäristössä.

**Assessment methods and criteria:**

Exercises and examination

**Grading:**

0–5

**Person responsible:**

University Lecturer

**Working life cooperation:**

None

**694661P: Literacies in Different Information Environments, 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits, 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

1<sup>st</sup> year, period II

**Learning outcomes:**

Upon completion of the course, students will be able to identify the terminology and phenomena related to literacies. Students will also be able to examine the significance of literacies in different information environments.

**Contents:**

Different terms of literacy, such as media and information literacy, multiliteracy, transforming literacies, health information literacy; the significance and promotion of literacies in different environments

**Mode of delivery:**

Contact teaching and/or online teaching

**Learning activities and teaching methods:**

Lectures, exercises, literature. Approximately 20 hours of contact teaching and 115 hours of independent study

**Target group:**

Students majoring and minoring in Information Studies

**Prerequisites and co-requisites:**

None

**Recommended or required reading:**

Kalantizis, M. & Cope, B. (2012) Literacies.

Sormunen, E. & Poikela, E. (Toim.) (2008) Informaatio, informaatiolukutaito ja oppiminen.

Whitworth, A. (2014) Radical Information Literacy, ss. 11-26.

Niemelä, R., Ek, S. & Huotari, M.-L. (2012) Terveystiedon lukutaito lisää hyvinvointia. Teoksessa: Jukka Reivinen & Leena Vähäkylä (Toim.) Kansanterveys, yksilön hyvinvointi. Helsinki: Gaudeamus, ss. 150-163.

Huotari, M.-L., Hirvonen, N., Enwald, H. & Niemelä R. (2015) Terveystiedon lukutaidolla liikunnallisempaan arkeen ja hyvinvointiin. Teoksessa Hannu Itkonen ja Kati Kauravaara (Toim.) Liikunta kansalaisten elämäntilussa - Tulintoja liikkumisesta ja liikunnanedistämisestä.

Hirvonen, N., Huotari, M.-L., Niemelä, R. & Korpelainen, R. (2014) Nuorten miesten vähäinen liikkuminen kytkeytyy heikkoon terveystiedon lukutaitoon. Liikunta & Tiede 51(4), 37-43.

Niemelä, R., Ek, S., Eriksson-Backa, K. & Huotari, M.-L. (2012) A Screening Tool for Assessing Everyday Health Information Literacy. Libri 62(2), 125–134.

**Assessment methods and criteria:**

Exercises and examination

**Grading:**

0–5

**Person responsible:**

University Lecturer

**Working life cooperation:**

None

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits, 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

1<sup>st</sup> year, period II

**Learning outcomes:**

Upon completion of the course, students will be able to identify, analyse and assess the essential terminology of information behaviour and practices, and to present and apply the models of the field to the context of everyday life and occupations.

**Contents:**

The terminology of information behaviour and practices, theoretical approaches of the field and empirical studies

**Mode of delivery:**

Contact teaching and/or online teaching

**Learning activities and teaching methods:**

Lectures, exercises, group work. Approximately 20 hours of contact teaching and 115 hours of independent study

**Target group:**

Students majoring and minoring in Languages

**Prerequisites and co-requisites:**

None

**Recommended or required reading:**

Lecture material and articles from a reading list

**Assessment methods and criteria:**

Participating in lectures, exercises, group work

**Grading:**

0–5

**Person responsible:**

Univeristy Lecturer

**Working life cooperation:**

None

**694678P: Information Seeking and Information Retrieval, 5 op**

**Voimassaolo:** 01.08.2017 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

1st year, periods 1-2

**Learning outcomes:**

A student can recognise and use various channels of information seeking and the basic techniques of information retrieval while planning and implementing searches

**Contents:**

The channels of information seeking and retrieval, sources of information, and the basic methods like Boolean logic, browsing, free word search, content based search, and the use of controlled description and relevance assessment.

**Mode of delivery:**

Contact teaching and online study

**Learning activities and teaching methods:**

Lectures and exercises. 25 hours of contact teaching, 110 hours of independent study

**Target group:**

Students majoring or minoring in Information

**Recommended or required reading:**

The issues dealt with during the lectures and exercises.

**Assessment methods and criteria:**

Exercises

**Grading:**

Pass / Fail

**Person responsible:**

University Lecturer

## **A112802: Information Studies, Intermediate Studies, 35 - 45 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Study module

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Terttu Kortelainen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ayA112802 Information Studies, Intermediate Studies (OPEN UNI) 35.0 op

Ei opintojaksokuvauksia.

*Compulsory intermediate studies*

## **694679A: Information Law and Ethics, 5 op**

**Voimassaolo:** 01.08.2017 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Markus Rytinki

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay694679A Information Law and Ethics (OPEN YO) 5.0 op

**ECTS Credits:**

5 ECTS credits, 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

1st year, period III

**Learning outcomes:**

Upon completion of the course, students will be able to identify the basic principles of the judicial system and distinguish ethical principles and statutory norms. Students will be able to apply the essential laws of the field and to consider the ethical questions of the field

**Contents:**

The basic principles of the judicial system, the law and ethical principles regarding information and communication, related problems, such as freedom of speech, censorship, and cultural appreciation

**Mode of delivery:**

Contact teaching and/or online teaching and/or book exam

**Learning activities and teaching methods:**

Lectures and/or literature. Approximately 20 hours of contact teaching and 115 hours of independent study

**Target group:**

Students majoring and minoring in Information Studies

**Prerequisites and co-requisites:**

Completion of the course Introduction to Information Studies is required.

**Recommended or required reading:**

Mäkinen, O. (2006) Internet ja etiikka; Voutilainen, T. (2012) Oikeus tietoon.

**Assessment methods and criteria:**

Examinarium exam

**Grading:**

0-5

**Person responsible:**

University Lecturer

**Other information:**

Exam in Examinarium

**694680A: Information Storage and Organization, 5 op**

**Voimassaolo:** 01.08.2017 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

2nd year, period 1

**Learning outcomes:**

The student can describe the relationships between the concepts of information storage and the structural features of an information retrieval system. The student can describe materials according to the standards of bibliographic control and take them into account in information seeking and searching.

**Contents:**

The structure of an information retrieval system and description of materials in the system according to the standards and structures of bibliographic control. Cataloguing rules, documentary languages and the metadataformats used.

**Mode of delivery:**

Contact teaching and network teaching

**Learning activities and teaching methods:**

Lectures and practicums. About 30 h contact teaching, 105 h independent work.

**Target group:**

Students majoring or minoring in Information

**Prerequisites and co-requisites:**

Information seeking and retrieval

**Recommended or required reading:**

Suominen, V.; Saarti, J. & Tuomi, P. (2009) Bibliografinen valvonta (where applicable)

**Assessment methods and criteria:**

Exercises and examination

**Grading:**

0-5

**Person responsible:**

University lecturer

**Working life cooperation:**

None

**700332P: Introduction to Digital Humanities, 5 op**

**Voimassaolo:** 01.08.2017 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Ritva Kylli

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay700332P Introduction to Digital Humanities (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish (English)

**Timing:**

The course is held in the spring semester, during periods III and IV.

**Learning outcomes:**

Upon completion of the course the students

- will be familiarized with the research questions, methods, and perspectives of digital human sciences,
- learn the key concepts of digital human sciences and key quantitative and qualitative data



- are preliminarily acquainted with the digital tools used in human research and the theoretical and ethical approaches used in digital cultural research (related to, for example, open sciences and materials)
- learn to find out what kind of human research is possible to produce with computer-aided methods
- learn the basics of multidisciplinary collaboration and bring their own know-how into interdisciplinary project co-operation

**Contents:**

The perspectives, tools and theories and methods needed to study digital human sciences.

**Mode of delivery:**

Face-to-face teaching with the support of web-based teaching.

**Learning activities and teaching methods:**

Activating learning methods: Lectures, group work, online work /web-based teaching.

**Target group:**

Students of Degree Programme in History, Culture and Communication

**Recommended optional programme components:**

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

**Recommended or required reading:**

Material handed out during lectures. In written assignments it is possible to utilize following studies:

-Warwick, C., Terras, M. M., & Nyhan, J. (2012) *Digital humanities in practice*. London: Facet Publishing in association with UCL Centre for Digital Humanities.

-Laaksonen, S., Matikainen, J., & Tikka, M. (2013) *Otteita verkosta: Verkon ja sosiaalisen median tutkimusmenetelmät*. Tampere: Vastapaino.

-Pink, Sarah (2016) *Digital Ethnography: Principles and Practice*. Sage publishing.

-Otto, Ton & Smith, Rachel Charlotte (2013) *Design Anthropology: Theory and Practice*. London: Bloomsbury.

-Tolonen, Mikko & Lahti, Leo, Aatehistoria ja digitaalisten aineistojen mahdollisuudet. *Ennen ja Nyt* 2/2015, <http://www.ennenjanyt.net/>.

-Fält, Katja (2016) Tutkijoiden digitaaliset tutkimusaineistot ja datan avoin jakaminen digitaalisen humanismin kontekstissa. Teoksessa Kimmo Elo (toim.), *Digitaalinen humanismi ja historiatieteet*. Turun historiallinen yhdistys, 39-75.

-Kemp, Karen K. (2010) *The Spatial Humanities: GIS And The Future Of Humanities Scholarship*. Bloomington: Indiana University Press.

-Barlindhaug, Stine (2012) Mapping Complexity. Archaeological Sites and Historic Land Use Extent in a Saami Community in Arctic Norway. *Fennoscandia archaeologica XXIX*, 105–124.

-Elo, Kimmo & Kleemola, Olli (2016) SA-kuva-arkistoa louhimassa: Digitaaliset tutkimusmenetelmät valokuvatutkimuksen tukena. *Digitaalinen humanismi ja historiatieteet*. Turun historiallinen yhdistys, 151–190.

-Östman, Sari & Turtiainen, Riikka (2016) From Research Ethics to Researching Ethics in an Online Specific Context. *Media and Communication*. Vol 4, No 4, 66–74.

-Kortelainen, Terttu & Länsman, Anni-Siiri, Challenging the status and constructing the culture of an indigenous group: Attention paid to YLE Sápmi radio digital news in Finland. *European Journal of Cultural Studies*. Vol 18, Issue 6, 2015.

-Twycross, Meg (2008) *The Virtual Representation of the Past*. Aldershot: Ashgate.

- Ch'ng, E., Gaffney, V., & Chapman, H. (2013) *Visual heritage in the digital age*. New York, NY: Springer Berlin Heidelberg.

**Assessment methods and criteria:**

Participation in lectures, writing a reflective learning diary and active participation in teamwork. As a criterion, active participation in writing of the assignments, knowledge of the topic shown through lecture diary and the development of working life skills.

**Grading:**

0 - 5

**Person responsible:**

Ritva Kylli (Degree programme director)

**Working life cooperation:**

The course promotes the development of student working life skills, such as project work skills and digital literacy skills. Assignment topics will be drawn up together with researchers working at the university and with other representatives of working life.

**Other information:**

The course is compulsory for students of degree programme in history, culture and communication.

**694681A: Informetrics, 5 op**

**Voimassaolo:** 01.08.2017 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

1st year, 3rd period

**Learning outcomes:**

The student can apply informetric research methods in the study of scientific communication.

**Contents:**

Study of scientific communication by informetric methods.

**Mode of delivery:**

Contact teaching and/or web-based teaching

**Learning activities and teaching methods:**

Lectures and exercises. 20 hours of contact teaching, 113 hours of independent study

**Target group:**

Students majoring or minoring in Information

**Recommended or required reading:**

Karvonen, E.; Kortelainen, T. & Saarti, J.

2014: *Julkaise tai tuhoudu*, OKM 2013: *WoS vai Scopus?*

<http://www.minedu.fi/export/sites/default/OPM/Julkaisut/2013/liitteet/okm17.pdf?lang=fi> ; Forsman, M.

2016: *Julkaisut ja tieteen mittaaminen*.

**Assessment methods and criteria:**

Exercises and examination

**Grading:**

0-5

**Person responsible:**

University lecturer

**Other information:**

Exam in Examinarium

**694666A: Management of Knowledge-Based Organisations, 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits, 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

2<sup>nd</sup> or 3<sup>rd</sup> year, periods III and IV

**Learning outcomes:**

Upon completion of the course, students will be able to identify the central concepts of management and to plan the use of management tools also when creating new knowledge.

**Contents:**

Management and leadership, strategies and know-how, communication and marketing, intellectual capital and finance as parts of the field of management

**Mode of delivery:**

Contact teaching and/or online teaching

**Learning activities and teaching methods:**

Lectures and group work. Approximately 30 hours of contact teaching and 105 hours of independent study

**Target group:**

Students majoring and minoring in Information Studies

**Prerequisites and co-requisites:**

Completion of the Basic Studies package is required.

**Recommended or required reading:**

Lecture material and online material

**Assessment methods and criteria:**

Group assignment on a field of management

**Grading:**

0–5

**Person responsible:**

Professor

**Working life cooperation:**

If possible, related to the subject of the group assignment

**694557A: Practical Training, 5 - 8 op**

**Voimassaolo:** 01.08.2009 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Practical training

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay694557A Practical Training (OPEN UNI) 8.0 op

**ECTS Credits:**

5–8 ECTS credits, 135–215 hours of work

**Language of instruction:**

Finnish or English

**Timing:**

1<sup>st</sup>, 2<sup>nd</sup> or 3<sup>rd</sup> year

**Learning outcomes:**

Upon completion of the course, students will be able to identify the important phenomena in an organisational environment and to perform tasks related to the field of Information Studies.

**Contents:**

Practical training period in one of the following: an administrative organization, a research organisation, a library, an archive, a museum, a company or another knowledge-based organisation

**Mode of delivery:**

Practical training period

**Learning activities and teaching methods:**

Practical training period, the duration of which is 2 or 3 months of full-time work, and a written report, which includes an expert profile

**Target group:**

Students majoring and minoring in Information Studies

**Prerequisites and co-requisites:**

Completion of the Basic Studies package is required.

**Assessment methods and criteria:**

2–3 months of work in an information-based job, a written report

**Grading:**

Pass/Fail

**Person responsible:**

University Lecturer

**Working life cooperation:**

Working in an information-based job

**Other information:**

It is possible to do the practical training period abroad, or during a student exchange.

*Alternative*

**694686A: Library Services for Children and Young People, 5 op**

**Voimassaolo:** 01.08.2017 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**695100P: Introduction to Communication Studies, 5 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Erkki Karvonen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay695100P Introduction to Communication Studies (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish

**Timing:**1<sup>st</sup> year, period I**Learning outcomes:**

Upon completion of the course, students will be able to explain communication from several points of view. Students will be able to interpret communication from the viewpoints of information transmission, community creation, and meaning construction. Students will be able to explain the ways in which people are influenced by communication and in which various messages are received. Students will be able to outline the historical development of the media as well as various approaches and schools of communication research. Students will be able to recognise, analyse, and evaluate various communication methods used e.g. in advertisements and journalistic representations. They will be able to apply communication research to new communicational situations and plan their own communication activities on the basis of the learnt principles.

**Contents:**

Basic concepts and theories of Communication Studies

**Mode of delivery:**

Contact teaching, independent study

**Learning activities and teaching methods:**

Lectures 18h / independent study 117h

**Target group:**

Students of TIEMA, students minoring in Communication Studies, and students of Information Studies

**Prerequisites and co-requisites:**

None

**Recommended or required reading:**

Kurnelius, Risto: *Viestinnän vallassa* (2003 or newer), and web material: Karvonen, Erkki: Johdatus viestintätieteisiin (<http://www.uta.fi/viesverk/johdviest/johdatus.html>)

**Assessment methods and criteria:**

Lecture and book exam

**Grading:**

The course uses a numerical grading scale 1–5. In the numerical scale, 0 (zero) means fail.

**Person responsible:**

Professor Erkki Karvonen

**Working life cooperation:**

None

**694597S: Introduction to Science Communication, 5 op****Voimassaolo:** 01.08.2007 -**Opiskelumuoto:** Advanced Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Erkki Karvonen**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay694597S Introduction to Science Communication (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish

**Timing:**1<sup>st</sup> year, period II**Learning outcomes:**

Upon completion of the course, students will be able to explain the key issues in the public communication of science. They will be able to explain how internal and external communication of science works, how science is popularised, how science is disseminated, and how science is represented in the media.

Students will be able to recognise the different cultures of science and journalism. They will be familiar with the principles of writing a press release aimed at the media and the public.

**Contents:**

Basics of science communication

**Mode of delivery:**

Contact teaching, independent study

**Learning activities and teaching methods:**

Lectures 18 h / independent study 117 h

**Target group:**

Students of TIEMA, students minoring in Communication Studies and students of information studies

**Recommended or required reading:**

*Julkaise tai tuhoudu! : johdatus tieteelliseen viestintään* / Erkki Karvonen, Terttu Kortelainen & Jarmo Saarti. Julkaistu:Tampere : Vastapaino, 2014

*Tieteen yleistajuistaminen*. Edited by Strellman, Urpu and Vaattovaara, Johanna. Helsinki: Gaudeamus, 2013.

**Assessment methods and criteria:**

Lecture and book exam

**Grading:**

The course uses a numerical grading scale 1–5. In the numerical scale, 0 (zero) means fail.

**Person responsible:**

Professor Erkki Karvonen

**Working life cooperation:**

None

**694531S: Changing Media Culture, 5 op****Voimassaolo:** 01.08.2007 -**Opiskelumuoto:** Advanced Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Erkki Karvonen**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay694531S Changing Media Culture (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish

**Timing:**2<sup>nd</sup> year, period I

**Learning outcomes:**

Upon completion of the course, students will be able to explain the media and media culture as social, economic and technological phenomena. They will be able to explain the historical changes and current trends in media and journalism. Students will be able to interpret communication cases in terms of entertainment theory, the theory of public sphere, freedom of speech, social responsibility in communication, and the power of the media.

**Contents:**

Developments of media culture

**Mode of delivery:**

Contact teaching, independent study

**Learning activities and teaching methods:**

Lectures 18 h / independent study 117 h

**Target group:**

Students of TIEMA, students minoring in Communication Studies, and students of Information Studies

**Recommended or required reading:**

Väliverronen, Esa (ed.): *Journalismi murroksessa*. 2009

OR:

Gripsrud, Jostain: *Understanding Media Culture*. 2001 (Or in Swedish *Mediakultur – mediasamhälle*, 1999)

OR:

Gorman, Lyn and McLean, David: *Media and Society in the Twentieth Century*. 2003

**Assessment methods and criteria:**

Lecture and book exam

**Grading:**

The course uses a numerical grading scale 1–5. In the numerical scale, 0 (zero) means fail.

**Person responsible:**

Professor Erkki Karvonen

**Working life cooperation:**

None

**694533S: Communication Research, 5 op**

**Voimassaolo:** 01.08.2007 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Erkki Karvonen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay694533S Communication Research (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

1<sup>st</sup> or 2<sup>nd</sup> year

**Learning outcomes:**

Upon completion of the course, students will be able to explain the historical development of communication research, as well as analyse and compare various schools and approaches within it.

**Contents:**

Various schools within the communication research and their historical developments.

**Mode of delivery:**

Independent study

**Learning activities and teaching methods:**

Independent study 135 h

**Target group:**

Students of TIEMA, students minoring in Communication Studies, and students of Information Studies

**Recommended or required reading:**

Pietilä, Veikko: *Joukkoviestintätutkimuksen valtateillä. Tutkimusalan kehitystä jäljittämässä*. Tampere: Vastapaino, 1997 ( or newer)

AND

Mörä, Tuomo, Salovaara-Moring, Inka & Valtonen, Sanna (ed.). *Mediatutkimuksen vaeltava teoria*. Helsinki: Gaudeamus, 2004.

**Assessment methods and criteria:**

Book exam

**Grading:**

The course uses a numerical grading scale 1–5. In the numerical scale, 0 (zero) means fail.

**Person responsible:**

Professor Erkki Karvonen

**Working life cooperation:**

None

**695105P: PR-Communication, 5 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Erkki Karvonen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay695105P PR-Communication (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ETCS credits / 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

2<sup>nd</sup> year, period III

**Learning outcomes:**

Upon completion of the course, students will be able to outline the developments of the theory and practice of organisational communication and PR. Students will be able to interpret various image-related issues from a number of viewpoints. Students will also be able to explain the principles of corporate social responsibility and cultivation of corporate reputation. Students will be able to explain various brand-building processes and the phenomenon of experience economy. Students will be able to explain how organizational communication should be managed in crisis situations. Students will also be able to apply various communication theories to single cases.

**Contents:**

External organisational communication

**Mode of delivery:**

Contact teaching, independent study



**Learning activities and teaching methods:**

Lectures 18h / independent study 117h

**Target group:**

Students of TIEMA, students minoring in Communication Studies, and students of Information Studies.

**Prerequisites and co-requisites:**

None

**Recommended or required reading:**

Cornelissen, Joep: *Corporate communication: a guide to theory and practice*, 3rd ed. Thousand Oaks, CA: SAGE Publications, 2011.

**Assessment methods and criteria:**

Lecture and book exam

**Grading:**

The course uses a numerical grading scale 1–5. In the numerical scale, 0 (zero) means fail.

**Person responsible:**

Professor Erkki Karvonen

**Working life cooperation:**

None

*Elective studies for major subject students***694602A: Bachelor's Seminar and Thesis, 8 op**

**Voimassaolo:** 01.08.2007 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS credits, 215 hours of work

**Language of instruction:**

Finnish

**Timing:**

2<sup>nd</sup> year, periods I–IV

**Learning outcomes:**

Upon completion of the course, students will be able to identify the essential research methods of Information Studies and to assess their suitability regarding their research. Students will be able to identify the ethical principles of research and do a small-scale assignment regarding survey, interview and content analysis.

**Contents:**

Perceiving the research questions of their research and searching for literature for their research; research ethics, typical research methods of Information Studies; survey, interview and content analysis as research methods; scholarly writing; the basics of statistical research; skills of information seeking and management

**Mode of delivery:**

Contact teaching and/or online teaching

**Learning activities and teaching methods:**

Seminar, lectures, exercises and an examination. Approximately 90 hours of contact teaching and 125 hours of independent study

**Target group:**

Students majoring in Information Studies

**Prerequisites and co-requisites:**

Completion of the Basic Studies package is required.

**Recommended or required reading:**

Lecture material

**Assessment methods and criteria:**

Active participation in lectures and exercises, completion of exercises, and an examination

**Grading:**

Pass/Fail

**Person responsible:**

University Lecturer

**Working life cooperation:**

None

**Other information:**

Support for information seeking: <http://www.oulu.fi/library/node/10686>

**694667A: Bachelor's Thesis, 6 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

6 ECTS credits, 160 hours of work

**Language of instruction:**

Finnish

**Timing:**

3<sup>rd</sup> year, periods I and II

**Learning outcomes:**

Upon completion of the course, students will have been able to complete a conceptual or an empirical study based on the research questions they have defined, apply the research methods they have chosen and report the results. Students will be able to assess theses and give peer feedback.

**Contents:**

Information seeking for students' research, completing a research project and presenting it in the seminar, acting as an opponent, active participation in the seminar

**Mode of delivery:**

Contact teaching and/or online teaching

**Learning activities and teaching methods:**

Seminar, independent study. Approximately 20 hours of contact teaching and 140 hours of independent study

**Target group:**

Students majoring in Information Studies

**Prerequisites and co-requisites:**

Completion of the Basic Studies package and the course *Bachelor's Seminar* is required.

**Assessment methods and criteria:**

Active participation in the seminar, compiling and presenting a research project, acting as an opponent

**Grading:**

0–5

**Person responsible:**

University Lecturer

**Working life cooperation:**

If possible, related to the subject of the research project

**694573A: Maturity Test (for Bachelor's Degree/Information Studies), 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 or Swedish (native language)

**Timing:**

After the completion of Bachelor's Thesis

**Learning outcomes:**

Based on their assignment, students will be able to produce an essay, fluent in language and content, in which they evaluate the theoretical and methodological background and essential results of their thesis.

**Contents:**

A written examination based on the Bachelor's Thesis

**Mode of delivery:**

Independent study

**Learning activities and teaching methods:**

Examination

**Target group:**

Students majoring in Information Studies

**Prerequisites and co-requisites:**The completion of the courses *Bachelor's Seminar* and *Bachelor's Thesis* is required.**Assessment methods and criteria:**

An essay written during the examination

**Grading:**

Pass/fail

**Person responsible:**

University Lecturer

**Working life cooperation:**

None

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**694612A: A Supplementary Literature Examination, 5 op****Voimassaolo:** 01.08.2007 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay694612A A Supplementary Literature Examination (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS credits, 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

1<sup>st</sup>, 2<sup>nd</sup> or 3<sup>rd</sup> year

**Learning outcomes:**

Upon completion of the course, students will be able to describe the conceptual premises, research questions, choices of methods and important results of research related to selected fields in Information Studies.

**Mode of delivery:**

Independent study

**Learning activities and teaching methods:**

Examination

**Target group:**

Students completing a Master's Degree who have acquired a degree from a University of Applied Sciences in the field of Library and Information Services

**Recommended or required reading:**

- a) Haapaniemi, M., Rohkimainen, S. & Kortelainen, T. (2012) *Uusien kirjastopalvelujen vaikuttavuus*. (Finnish Information Studies 24.) (1 ECTS credit) Examiner: Terttu Kortelainen
- b) Käsäkoski, H. (2014) *Value Creation in Childhood Obesity Care and Prevention*. (2,5 ECTS credits) Examiner: Maija-Leena Huotari.
- c) Kärki, R. & Kortelainen, T. (1996) *Johdatus bibliometriikkaan*. (1 ECTS credit) Examiner: Terttu Kortelainen
- d) Niemelä, R. (2006) *Ikääntyneiden informaatiokäyttäytyminen: laadullinen tutkimus arkielämän informaatiokäytännöistä ja toimintaan aktivoitumisesta*. (1,5 ECTS credit) Examiner: Maija-Leena Huotari.

**Assessment methods and criteria:**

Book examination, 160 hours of independent study

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

**Grading:**

Pass/fail

**Person responsible:**

Professors, University Lecturers

**Working life cooperation:**

None

**Other information:**

The book examination can be taken on one or more exam dates. NB: The examination will be assessed by different lecturers, who will decide the required reading. **Therefore, sign up with each lecturer separately**. 1 ECTS credit is equivalent to 100–125 pages of text in Finnish and 75–100 pages of text in other languages.

## Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

694643S: History and Politics of Science, 5 op

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opettajat:** Kallinen, Maija Sinikka

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish

**Timing:**

1<sup>st</sup> year

**Learning outcomes:**

Upon completion of the course, students will be able to describe the key developments in scientific thinking from the antiquity to the present day. Students will also be able to recognise the greatest revolutions in scientific thinking and their importance to world views. Students will be able to define in general the terms of how Finnish science and university policies have developed over time and how the most important scientific institutions and the university system have developed, both structurally and administratively. Students will be able to interpret various programmes of science and university policies and evaluate related social background factors. Students will also be able to pinpoint the social prerequisites of various sciences.

**Contents:**

The history of science from the antiquity to the present day, and the main schools of Finnish university policies

**Mode of delivery:**

Contact teaching, independent study

**Learning activities and teaching methods:**

Lectures 30h / independent study 105h

**Target group:**

Students of TIEMA

**Recommended or required reading:**

Lectures and material assigned during the lectures

**Assessment methods and criteria:**

Lecture and book exam

**Grading:**

The course uses a numerical grading scale 1–5. In the numerical scale, 0 (zero) means fail.

**Person responsible:**

University Lecturer Maija Kallinen

**Working life cooperation:**

None

## 694622A: Library Services for Children and Young People, 3 op

**Voimassaolo:** 01.08.2009 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Humanities

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS credits, 81 hours of work

**Language of instruction:**

Finnish

**Timing:**

2<sup>nd</sup> or 3<sup>rd</sup> year, period III and IV

**Learning outcomes:**

Upon completion of the course, students will know the characteristics and forms of library services for children and the youth and related fields of media education. Students will be able to apply the models and tools of promoting literacy to practice.

**Contents:**

The phases of the development, fields and forms of the library services for children and the youth; different ways of promoting literacy

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Lectures and exercises. Approximately 30 hours of contact teaching and 51 hours of independent study

**Target group:**

Students majoring and minoring in Information Studies

**Prerequisites and co-requisites:**

Completion of the Basic Studies package is required.

**Recommended or required reading:**

Lecture material and online material

**Assessment methods and criteria:**

Lecture diary and examination

**Grading:**

Pass/fail

**Person responsible:**

University Lecturer

**Working life cooperation:**

If possible to arrange