

Opasraportti

Information Studies (2013 - 2014)

Information Studies

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Study guidance

Study guidance is provided by Vesa Suominen, the University Lecturer of Information Studies, during office hours which are announced each term (HU119; tel. +358 29 448 3356).

Major subject students design a personal study plan (HOPS), and receive guidance in formulating the plan in the autumn term of the first year of studies. Students are divided into 2–3 groups, each of which meets once per term.

Guidance and counselling is also provided by representatives from the Index Information Studies student association.

General study guidance is provided by the Chief Academic Officer of the Faculty. Information regarding subsidiary (minor) subject 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.

Admission requirements and commencement of studies

The right to study Information Studies as major subject can be obtained by passing an entrance examination, held every spring. Subsidiary (minor) subject students are also accepted based on an entrance examination.

Information Studies

The teaching in the Information Studies programme is based on research focusing on phenomena related to creating and producing, organizing, disseminating, seeking, retrieving and using information in various contexts. Society's move towards an information-based economy is built on global co-operation enabled by information networks, which increasingly offers possibilities for experts in the field of information science. A particular point of focus in the degree programme is the connection between various social and professional practices, and related matters such as regional, national and international co-operation between members of the public and private sectors. To be an expert in the field of information requires the ability to plan, develop and maintain the methods and systems of the field and being constantly up-to-date regarding developments in the field.

Major subject students of Information Studies may freely choose subsidiary (minor) subjects from the Faculty of Humanities and other faculties. Students can incorporate 2–4 subsidiary subjects into their degree (for example,

Basic Studies in 2 or 3 subjects and Intermediate Studies in one subject). Various subsidiary subjects are beneficial to Information Studies students, depending on the specific careers they are aiming at. In tasks within the scope of information services, broader studies in disciplines related to a certain subjects are often required. Pedagogical studies and communication skills are also useful.

The compulsory studies in information and communication technology included in the degree programme provide the essential skills required for professions related to information systems. Broader studies in the Information Processing Science programme increases a graduate's employment prospects in various positions requiring expertise in the field, and the Intermediate Studies in IPS are essential in IT-oriented careers.

Practical training can be completed through work in a library, in workplaces utilizing information management or information services, or in other jobs related to the field. The training may last two or three months (5 or 8 credits). The choice of the place of employment for the training must be agreed upon with the degree programme's practical training tutor. Prior work experience may reduce the duration of the training, or completely fulfil it.

At the University of Oulu, the Information Studies programme is closely aligned with the communication sciences. The Master's Programme in Science Communication (TIEMA), which is without parallel in Finland, has been arranged jointly by the Information Studies and History of Science and Ideas programmes since 2007. Through their elective studies, students of in the Information Studies programme have the opportunity to develop expertise in communication sciences and information studies, as well as in fields such as science communication, media relations or web communication.

International teacher and student exchange is realized through the Erasmus and Nordplus programmes. Teacher and student exchange to partner universities in Africa (in Namibia, South-Africa, Senegal and Tanzania) is carried out in co-operation with Åbo Akademi and Turku University of Applied Sciences through the North-South-South Higher Education Institution Network Programme arranged by the Ministry of Foreign Affairs and CIMO. Bilateral exchange agreements also allow students opportunities to go on exchange to universities in the United States, for instance.

Employment prospects

The Information Studies programme provides students with the skills required for tasks related to planning, research and expertise in public, scientific and private libraries, information management units, information services and research institutions, for instance. Approximately half of the major subject students of Information Studies gain employment in libraries, while the other half typically finds employment in other information professions within the public sector or in private businesses. Potential careers include librarian and library director, information specialist, information officer and chief of information services. Office positions usually require completion of Basic and Intermediate Studies in Information Studies as well as a university degree.

Study packages and learning outcomes

Upon completion of the Basic Level study package, students will have acquired the necessary elementary knowledge about information studies, including an understanding of the focal theories, concepts and principles of the field as well as how to apply them in various practical environments in the field.

Upon completion of the Intermediate Level study package, students will have acquired broad knowledge of the field of information studies. In addition to being able to work independently in tasks in the information field, students will know how to apply the focal theories, concepts and methods for analytical examination, evaluation and development of different phenomena of the information field in practical environments.

Upon completion of Advanced Level study package, students will have acquired extensive and profound knowledge of information studies. They will understand and be able to evaluate the theories, concepts and methods of the field in a critical manner. As an expert, students will have the knowledge necessary for applying theories, concepts and methods in the research and analysis of various phenomena in the field, for developing the functions regarding the phenomena and for making decisions in demanding and unpredictable environments. In addition to evaluating and improving their own expertise, students will also be able to function as administrative members in organizations or charges.

The degree programme also includes mandatory Language and Communication Studies as follows:

694633A Introduction to Statistical Analysis

ECTS credits: 4

Timing: 2nd year, autumn or spring term

Learning outcomes: Students will know how to plan a quantitative study and how to acquire observational data. Students will be able to describe a phenomenon being investigated by using tables, figures and parameters, and will know the fundamental principles of statistical inference.

Mode of delivery: Lectures and exercises with the SPSS computer programme

Recommended or required reading: Information on recommended reading may be obtained from the lecturer

Assessment methods and criteria: Formal lecture examination

Grading: 0–5

Person responsible: University Lecturer Terttu Kortelainen

For the 7 ECTS credits in Information and Communication Technology, the following courses organized by the Department of Information Processing Science are recommended:

810136P Introduction to Information Processing Sciences

ECTS credits: 5

Language of instruction: Finnish

Timing: 1st year, autumn term, periods 1–2

Learning outcomes: The course focuses on the key concepts of the information society, information technology and development prospects as well as on the main lines of computer science teaching and research. Students are able to search for information relevant to the course, as well as analyse and structure the information and write short reports based on it.

Contents: The course consists of lectures on various aspects of computer science and current research. In addition, workplace life will also be discussed during lectures. The course also familiarizes students with scientific work and its sub-processes through listening, discussing, reading, critical and creative thinking, material search, structuring information and writing presentations.

Mode of delivery: Lectures (26h), exercises (30h), independent study (55h) and final exam. A web-based learning environment for sharing information and to support discussion of the exercises

Target group: Candidate-level students (compulsory)

Recommended or required reading: A list of study materials will be available on the course website

Assessment methods and criteria: Participation in lectures, course assignments and exam

Grading: 0–5

Person responsible: Juhani Warsta

811171P Humans as Users and Developers of Information Technology

ECTS credits: 4

Timing: 1st year, autumn term, period 2

Learning outcomes: The aim of the course is to provide students with an understanding of humans function as users and developers of computers. The course provides a basis for future courses on usability and trains students in basic study skills at the university level. Upon completion of the course, students will be able to view humans as both users and developers of information technology. They will know some concepts focal to the phenomenon and understand the meaning of these concepts in practice. Students will also be familiar with the background and scientific basis of usability research. Students will be able to observe and analyse users' various experiences of usability, as well as understand the challenges of a developer when the aim is to provide pleasant experiences for users of technology. Upon completion of the course, students will realize that they are moving from the role of a user of technology to the designer's expert role.

Contents: Central concepts and themes of the course include the diversity of information technology, humans as users and developers of information technology, usability, usage and user experience, and user-focused design

Learning activities and teaching methods: Lectures (24h), lecture assignments, exam and work on separate assignments

Target group: Candidate-level students (compulsory), subsidiary subject students

Prerequisites and co-requisites: None

Recommended or required reading: Antti Oulasvirta, Ihmisen ja tietokoneen vuorovaikutus (2011)(chapters I and II). Also materials provided in lectures and other supplementary material

Assessment methods and criteria: Grading based on the evaluation of the lecture assignments, exam and separate assignments

Grading: 0–5

Person responsible: Tonja Molin-Juustila

Work placements: No

812304A Organizations and Information Systems

ECTS credits: 6

Language of instruction: Finnish

Timing: 2nd year, spring term, period 4

Learning outcomes: The course gives a broad overview of information systems in contemporary organizations. Upon completion of the course, students will be able to explain the importance of information systems for organizations, define the conditions of success for information operations in organizations and identify the main features of the development of information systems.

Contents: Fundamentals of organization; structure and function; basics of digital organizations; basic types of information systems and their roles in organizations; interaction between organizations and information systems; the role of information systems in the management and decision making of an organization; formation and control of organizational information; enterprise resource planning systems; the renewal of organizations with information systems; the economic aspects of information systems

Learning activities and teaching methods: Lectures (27h), independent reading of course material (about 130h)

Target group: Candidate-level students (compulsory), subsidiary subject students

Prerequisites and co-requisites Introduction to Information Systems Design

Recommended or required reading: Laudon, K.C. and Laudon, J.P., Management Information Systems, (Prentice-Hall, Upper Saddle River, NJ, Sixth edition, 2000, pp. 2–159, 330–367, 398–495; or Seventh edition, 2002, pp. 2–101, 301–429; or the Ninth edition 2006, pp. 1–111, 378–506, 534 – 569; or the Tenth edition, pp. 3–119, 428–523, 552–587); Handy, C., Understanding Organizations, (Penguin Books, Fourth edition, 1999, pp. 13–179); Mintzberg,

H., Structure in Fives, *Designing effective organizations*, (Prentice-Hall, Englewood Cliffs, 1983, pp. 1–23); Nonaka, I. & Takeuchi, H., *The Knowledge Creating Company*, (Oxford University Press, New York, 1995, pp. 56–94, 124–171)

Assessment methods and criteria: Exam

Grading: 0–5

Person responsible: To be announced

Work placements: No

810124P Computer Architecture

ECTS credits: 5

Language of instruction: Finnish

Timing: 1st year, spring term, period 3

Learning outcomes: The course gives an overview of the programme's running platform which consists of computer hardware, network interfaces and device drivers. The approach of the course is abstract thinking. The components of the complex running platform are perceived as layered system architecture. The course teaches the structure of architecture layers, mechanisms, running semantics and tasks, and determination and compatibility of critical properties (performance, security, power consumption). The main focus of the course is on PC computer architecture, but laptops and mobile computers are also examined.

Upon completion of the course, students understand and can manage the software platform for the performance of the structure and activities related to performance, resource needs, and error situations. Students master the basic vocabulary necessary to communicate and document the software development, particularly in the nearby device applications such as embedded software, mobile systems, multimedia and scientific computing. Students will be able to use and work with computers in their first job as a professional.

Contents:

1. Basics of digital logic and components of a processor
2. Display formats of digital information
3. The processor and its functions
4. The processor instruction set (MIPS and IA32)
5. Assembly language
6. Operating system services
7. Memory management
8. Input and output
9. Interrupts, device drivers and BIOS
10. Multimedia support
11. Mobile platforms
12. Parallel computing

Learning activities and teaching methods: Lectures (40h), home assignments (15h), laboratory assignments (15h), exam

Target group: Candidate-level students (compulsory), subsidiary subject students

Recommended or required reading: Comer; D.E., Essentials of Computer Architecture, (Pearson/Prentice Hall. ISBN 0-13-106426-7. 2005. 369 p.)

Examples from the following books are used in lectures: Tanenbaum A.S., Structured Computer Organizations, (4th Edition. Prentice Hall. 1999. 700 p.); Stallings, W. Computer Organization and Architecture (5th Edition. Prentice Hall. 2000. 768 p.)

Assessment methods and criteria: Exam

Grading: 0–5

Person responsible: Petri Pulli

Work placements: No

COURSES IN INFORMATION STUDIES

Basic Studies (25 ECTS credits)

694614Y Personal Study Plan 1 (Information Studies) (0 ECTS credits) (major subject students only)

694550P Introduction to Information Studies (6 ECTS credits)

694587P Information Seeking and Retrieval I (4 ECTS credits)

694615P Information Production and Collections (5 ECTS credits)

694588P Management and Leadership (4 ECTS credits)

694616P Information in Society (3 ECTS credits)

694589P Information Behaviour (3 ECTS credits)

Intermediate Studies (45 ECTS credits)

Courses mandatory for all students

694624A Information Storage and Representation 1 (4 ECTS credits)

694625A Information Storage and Representation II (4 ECTS credits)

694626A Information Literacy and Social Media (4 ECTS credits)

694621A Evaluation and Information Resources (3 ECTS credits)

694630A Information Behaviour and Methods (3 ECTS credits)

694620A Knowledge-Based Organizations (3 ECTS credits)

694557A Practical Training (5–8 ECTS credits)

Optional courses

Students will complete some of the following courses so that they form an entity of either 6 or 9 ECTS credits. The required amount is dependent on the duration of the student's practical training: 5 ECTS credits practical training (2 months) = 9 ECTS credits of optional Intermediate Studies required / 8 ECTS credits practical training (3 months) = 6 ECTS credits of optional Intermediate Studies required.

- 694564A Information Legislation and Ethics (3 ECTS credits)
- 694622A Library Services for Children and Young People (3 ECTS credits)
- 694567A Music Librarianship (3 ECTS credits)
- 695102P Web Publishing (4 ECTS credits)
- 695105P PR Communication (3 ECTS credits)
- 694531S Changing Media Culture (5 ECTS credits)
- 694533S Communication Research (5 ECTS credits)
- 694597S Introduction to Science Communication (5 ECTS credits)
- 694568A Other Optional Topic 1 (2–3 ECTS credits)
- 694569A Other Optional Topic II (2–3 ECTS credits)

Courses available for major subject students only

- 694617Y Personal Study Plan 2 (Information Studies) (0 ECTS credits)
- 694570A Research Methods 1 (2 ECTS credits)
- 694602A Candidate's Seminar and Thesis (8 ECTS credits)
- 694573A Maturity Test (for Candidate's Degree / Information Studies) (0 ECTS credits)

Advanced Studies (80 ECTS credits)

- 694627Y Personal Study Plan 3 (Information Studies) (0 ECTS credits) (major subject students only)

Book examinations (16 ECTS credits total)

Students will complete examinations on two courses worth 8 ECTS credits each by choosing and studying literary works for both courses, so that 100–125 pages of Finnish material or 75–100 pages of material in other languages will equal 1 ECTS credit. It is possible to complete more than two book examinations, in which case the student's overall grade will be based on the two best grades. Compensatory studies (e.g. several optional courses or fields of research in Information Studies) may not compensate for more than one Advanced Studies book examination.

- 694607S Information Behaviour Research (8 ECTS credits)
- 694608S Research in Information and Knowledge Management (8 ECTS credits)
- 694609S Research on Information Seeking and Retrieval (8 ECTS credits)
- 694610S Research on the Production, Communication and Evaluation of Information (8 ECTS credits)
- 694611S Information and Documentation in Society (8 ECTS credits)

Research methods, seminar and thesis

694580S Research Methods II (8 ECTS credits)

694632S Master's Thesis Seminar (10 ECTS credits)

694582S Master's Thesis (40 ECTS credits)

694583S Thesis for Subsidiary Subject Students (20 ECTS credits)

694584S Maturity Test (for Master's Degree/Information Studies) (0 ECTS credits)

Optional courses

Students will complete a minimum of 6 ECTS credits worth of the following courses

694603S Knowledge Management (6 ECTS credits)

694628S Research on Scientific Communication and Informetrics (6 ECTS credits)

694629S Theory of Classification and Its Applications (6 ECTS credits)

694605S Library, Information and Documentation Philosophy and Theory (3 ECTS credits)

694535S Philosophy of Science and Scientific Argumentation (3 ECTS credits)

694536S Sociology of Science (4 ECTS credits)

694534S History of Science (3 ECTS credits)

694538S Politics of Science (3 ECTS credits)

694631S Other Research Area of Information Studies (6 ECTS credits)

Tutkintorakenteet

Tutkintorakenteen tila: published

Lukuvuosi: 2013-14

Lukuvuoden alkamispäivämäärä: 01.08.2013

A112803: Information Studies, Advanced Studies, 80 op

e

694607S: Information Behaviour Research, 8 op

694608S: Research in Information and Knowledge Management, 8 op

694609S: Research on Information Seeking and Retrieval, 8 op

694610S: Research on the Production, Communication and Evaluation of Information, 8 op

694611S: Information and Documentation in Society, 8 op

694580S: Research Methods II, 8 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

e1

694603S: Knowledge Management, 6 op

694628S: Research on Scientific Communication and Informetrics, 6 op

694629S: Theory of Classification and Its Applications, 6 op

694605S: Library, Information and Documentation Philosophy and Theory, 3 op

694631S: Other Research Area of Information Studies, 6 op

694635S: Philosophy of Science and Scientific Argumentation, 3 op
 694636S: Sociology of Science, 4 op
 694634S: History of Science, 3 op
 694638S: Politics of Science, 3 op
 694637S: Health information and communication, 5 op

Tutkintorakenteen tila: published

Lukuvuosi: 2013-14

Lukuvuoden alkamispäivämäärä: 01.08.2013

694589P: Information Behaviour, 3 op
 694615P: Information Production and Collections, 5 op
 694587P: Information Seeking and Retrieval, 4 op
 694616P: Information in Society, 3 op
 694550P: Introduction to Information Studies, 6 op
 694588P: Management and Leadership, 4 op
 694614Y: Personal Study Plan 1 (Bachelor's degree), 0 op

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

e1

694624A: Information Storage and Retrieval I, 4 op
 694625A: Information Storage and Retrieval II, 4 op
 694626A: Information Literacy and Social Media, 4 op
 694621A: Evaluation and Information Resources, 3 op
 694630A: Information Behaviour and Methods, 3 op
 694620A: Knowledge-Based Organizations, 3 op
 694557A: Practical Training, 5 - 8 op
 694564A: Information Legislation and Ethics, 3 op
 694622A: Library Services for Children and Young People, 3 op
 694567A: Music Librarianship, 3 op
 695102P: Web Publishing, 4 op
 695105P: PR-Communication, 5 op
 694531S: Changing Media Culture, 5 op
 694533S: Communication Research, 5 op
 694597S: Introduction to Science Communication, 5 op
 694568A: Other Optional Topic 1, 2 - 3 op
 694569A: Other Optional Topic 2, 2 - 3 op

e2

694617Y: Personal Study Plan 2 (Bachelor's degree), 0 op
 694570A: Research Methods I, 2 op
 694602A: Bachelor's Seminar and Thesis, 8 op
 694573A: Maturity Test (for Bachelor's Degree/Information Studies), 0 op

H112830: Language and Communication Studies, 15 - 45 op

e

010100Y: Orientation Course for New Students, 0 op
 901000Y: Second Official Language (Swedish), 5 op
 900050Y: Written and Oral Communication Skills, 4 - 5 op
 902000Y: Reading for Academic Purposes in the Humanities, 2 op
 902001Y: Academic Communication, 3 op
 810136P: Introduction to Information Processing Sciences, 5 op
 811171P: Humans as Users and Developers of Information Technology, 4 op
 812304A: Information Systems in Organizations, 6 op
 810124P: Computer Architecture, 6 op
 811174P: Introduction to Software Business, 5 op
 694633A: Introduction to Statistical Analysis, 4 op
 694732S: Advanced Course in Statistical Analysis, 3 op

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

694612A: A Supplementary Literature Examination, 5 op
 694534S: History of Science, 3 op
 694627Y: Personal Study Plan 3 (Master's degree), 0 op
 694535S: Philosophy of Science and Scientific Argumentation, 3 op
 694538S: Politics of Science, 3 op
 694536S: Sociology of Science, 3 op
 694583S: Thesis for Subsidiary Subject Students, 20 op
 694598A: Tutoring on the Web, 5 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: Maija-Leena Huotari

Opintokohteen kielet: Finnish

Assessment methods and criteria:

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

e

694607S: Information Behaviour Research, 8 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

8

Language of instruction:

Finnish

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students will be able to compare various theories and theoretical frameworks related to information behaviour and information practices, and indicate the relations between them.

Contents:

Theories and theoretical frameworks related to information behaviour and information practices

Mode of delivery:

Self study

Learning activities and teaching methods:

Book examination

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Basic and Intermediate Studies in Information Studies required

Recommended or required reading:

General material for the course:

The required amount of literature will be chosen out of the following works:

Case, D.O., Looking for information: A survey of information seeking, needs, and behaviour (2nd ed. 2007) (Chapters 7–13 and Appendix A and B pp. 141–348);

Fisher, K., Erdelez, S. & McKechnie, L., Theories of information behavior (2005);

Heinström, Jannica, From fear to flow: personality and information interaction (2010);

Jaeger, Paul T. & Burnett, Gary, Information worlds: social context, technology and information behaviour in the age of the Internet (2011);

Kuhlthau, C.C., Seeking meaning: A process approach to library and information services (2nd ed. 2004).

Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Book examination. Students will complete examinations on two courses worth 8 ECTS credits each by choosing and studying literary works for both courses so that 100–125 pages of Finnish material or 75–100 pages of material in other languages will equal 1 ECTS credit. It is possible to complete more than two book examinations, in which case the student's overall grade will be based on the two best grades.

Compensatory studies (e.g. several optional courses or fields of research in Information Studies) may not compensate for more than one Advanced Studies book examination.

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

Grading:

0-5

Person responsible:

Professor Maija-Leena Huotari

Working life cooperation:

No

694608S: Research in Information and Knowledge Management, 8 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

8

Language of instruction:

Finnish

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students will understand and be able to assess the theoretical foundations of research on Information Management and Knowledge Management and related applications, and can indicate their role in various information and organizational environments.

Contents:

Information Management; Knowledge Management; information and knowledge in organizational settings; sharing and creating new knowledge in knowledge-based organizations

Mode of delivery:

Self study

Learning activities and teaching methods:

Book examination

Target group:

Students majoring or minoring in Information Studies

Prerequisites and co-requisites:

Successful completion of Basic and Intermediate Studies in Information Studies required

Recommended or required reading:

The required amount of literature will be chosen out of the following works:

Huysman, Marleen & de Wit, Dirk, Knowledge sharing in practice (2002);

Choo, Chun Wei, Information management for the intelligent organization – the art of scanning the environment (2002);

Choo, Chun Wei, Knowing organization – how organizations use information to construct meaning, create knowledge, and make decisions (2006);

Ichijo, Kazuo & Nonaka, Ikurijo (eds), Knowledge creation and management – new challenges for managers (2007).

Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Students will complete examinations on two courses worth 8 ECTS credits each by choosing and studying literary works for both courses so that 100–125 pages of Finnish material or 75–100 pages of material in other languages will equal 1 ECTS credit. It is possible to complete more than two book examinations, in which case the student's overall grade will be based on the two best grades. Compensatory studies (e.g. several optional courses or fields of research in Information Studies) may not compensate for more than one Advanced Studies book examination.

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

Grading:

0-5

Person responsible:

Professor Maija-Leena Huotari

Working life cooperation:

No

694609S: Research on Information Seeking and Retrieval, 8 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

8

Language of instruction:

Finnish

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students recognize and are able to analyse the focal theories and methods and their research as well as special matters about information seeking, storage and retrieval.

Mode of delivery:

Self study

Learning activities and teaching methods:

Book examination

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Basic and Intermediate Studies in Information Studies required

Recommended or required reading:

The required amount of literature will be chosen out of the following works:

Byström, K., Task complexity, information types and information sources – examination of relationships (1999);

Kekäläinen, J., Effects of query complexity, expansion and structure on retrieval performance in probabilistic text (1999);

Kerttula, S., Semanttisen webin ontologisen tekstiilikäsitteistön kehittäminen ja liittäminen museoiden luettelointitietoihin <http://www.doria.fi/bitstream/handle/10024/50313/semantti.pdf?sequence=3> (2009);

Saarti, J., Kaunokirjallisuuden sisällönkuvailun aspektit kirjastoammattilaisten ja kirjastonkäyttäjien tekemien (1999);

Ingwersen, P., Turn – integration of information seeking and retrieval in context (2005);

Iyer, H., Classificatory structures concepts, relations and representation (1995);

Rice, R. E., Accessing and browsing information and communication (2001);

Marchionini, G., Information seeking in electronic environments (1997);

Svenonius, E., Intellectual foundation of information organization (2000).

Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Students will complete examinations on two courses worth 8 ECTS credits each by choosing and studying literary works for both courses so that 100–125 pages of Finnish material or 75–100 pages of material in other languages will equal 1 ECTS credit. It is possible to complete more than two book examinations, in which case the student's overall grade will be based on the two best grades. Compensatory studies (e.g. several optional courses or fields of research in Information Studies) may not compensate for more than one Advanced Studies book examination.

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

Grading:

0-5

Person responsible:

University Lecturer Vesa Suominen

Working life cooperation:

No

694610S: Research on the Production, Communication and Evaluation of Information, 8 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

8

Language of instruction:

Finnish

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students will be able to recognise and analyse various theoretical conceptions, their applications, research questions and methods concerned with information production, communication and evaluation.

Mode of delivery:

Self study

Learning activities and teaching methods:

Book examination

Target group:

Students majoring or minoring in Information Studies

Prerequisites and co-requisites:

Basic and Intermediate Studies in Information Studies

Recommended or required reading:

The required amount of literature will be chosen out of the following:

Troll Covey, D., Usage and usability assessment library practices and concerns (2002);

Garfield, E., Citation indexing its theory and application in science, technology, and humanities (1983);

Tenopir, C., Towards electronic journals realities for scientists, librarians, and publishers (2000);

Thelwall, M., Link analysis an information science approach (2004);

Borgman, C. L., Scholarship in the digital age. Information, infrastructure and the internet (Cambridge, Mass: The MIT Press 2007);

Vinkler, P., The Evaluation of Research by scientometric indicators (2010).

Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Students will complete examinations on two courses worth 8 ECTS credits each by choosing and studying literary works for both courses so that 100–125 pages of Finnish material or 75–100 pages of material in other languages will equal 1 ECTS credit. It is possible to complete more than two book examinations, in which case the student's overall grade will be based on the two best grades. Compensatory studies (e.g. several optional courses or fields of research in Information Studies) may not compensate for more than one Advanced Studies book examination.

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

Grading:

0-5

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No

694611S: Information and Documentation in Society, 8 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

8

Language of instruction:

Finnish

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students will be able to recognize and analyse information and documentation methods and methodological viewpoints regarding their research.

Contents:

Study of literature

Mode of delivery:

Self study

Learning activities and teaching methods:

Book examination

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Basic and Intermediate Studies in Information Studies required

Recommended or required reading:

One book will be selected from the following list:

- a) Ekholm, K., *Kielletyt kirjat 1944–1946: Yleisten kirjastojen kirjapoistot vuosina 1944–1946* (2000);
- b) Mäkinen, I., "Nödvändighet af LainaKirjasto": modernin lukuhalun tulo Suomeen ja lukemisen instituutiot (1997);
- c) Suominen, V., *Pieni kirjastofilosofia: Kirjastonhoitajuuden käsite sekä ammatillinen, opillinen ja poliittiskulttuurinen käytäntö* (2001);
- d) Tuominen, K., *Tiedon muodostus ja virtuaalikirjaston rakentaminen: Konstruktionistinen analyysi* (2001);
- e) Rayward W.B. (ed.), *Aware and responsible: Papers of the Nordic-International Colloquium on Social and Cultural Awareness and Responsibility in Library, Information, and Documentation Studies (SCARLID)* (2004);
- f) Bowker, G.C. & Star, S.L., *Sorting things out: Classification and its consequences* (1999);
- g) Day, R.E., *The modern invention of information: Discourse, history, and power* (2001);
- h) Frohmann, B., *Deflating information: From science studies to documentation* (2004);
- i) Harris, M.H., Hannah, S.A., & Harris, P.A., *Into the future: The foundations of library and information services in the post-industrial era* (1998);
- j) Talja, S., *Music, culture, and the library: An analysis of discourses* (2001).

Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Students will complete examinations on two courses worth 8 ECTS credits each by choosing and studying literary works for both courses so that 100–125 pages of Finnish material or 75–100 pages of material in other languages will equal 1 ECTS credit. It is possible to complete more than two book examinations, in which case the student's overall grade will be based on the two best grades. Compensatory studies (e.g. several optional courses or fields of research in Information Studies) may not compensate for more than one Advanced Studies book examination.

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

Grading:

0-5

Person responsible:

University Lecturer Vesa Suominen

Working life cooperation:

No

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

8

Language of instruction:

Finnish

Timing:

4th or 5th year (autumn term)

Learning outcomes:

Upon completion of the course, students will be able to plan and carry out an empirical study and justify their selection of research methods. Students will be able to follow the principles of scientific work and writing.

Contents:

The essential research methods applied in Information Studies, application of one, or several, in an empirical study

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures, exercises, independent research and presentation of the study, opposing a fellow student's work

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Basic and Intermediate Studies in Information Studies

Recommended or required reading:

-

Assessment methods and criteria:

Active participation, exercises, presentation of the study, opposing a fellow student's work
Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

0-5

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No

Other information:

Organized in co-operation with TIEMA

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

Language of instruction:

Finnish

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students can design and realize a theoretical or empirical study of a subject of their choosing.

Contents:

Information seeking and retrieval, literature review and research plan on a subject of the student's choosing. Scientific articulation, discussion and writing in accordance with proper scientific practices. Upon completion of the course, students can design and realize a theoretical or empirical study of a subject of their choosing.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Seminar

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Basic and Intermediate Studies in Information Studies, Research Methods II required

Recommended or required reading:

Lecture materials

Assessment methods and criteria:

Active participation in the seminar during a minimum of two terms. Two presentations: a literary review and a research plan. Additionally, drafts of individual chapters of the study may be presented during the seminar.

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

Grading:

Pass/fail

Person responsible:

Professor, University Lecturers

Working life cooperation:

No

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

Language of instruction:

Finnish or English

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students will be able to write a thesis and participate in related scholarly discussion, in accordance with the principles of scientific writing and research ethics.

Mode of delivery:

Self study

Learning activities and teaching methods:

Guided independent work

Target group:

Major subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Basic and Intermediate Studies in Information Studies required

Assessment methods and criteria:

Writing a thesis on selected topic.

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

Grading:

0-5

Person responsible:

Professor, University Lecturers

Working life cooperation:

No

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

Timing:

After completing the Master's Thesis

Learning outcomes:

Upon completion of the course, students will be able to present the central methodological premises, results and conclusions selectively, concisely and with expertise.

Contents:

Abstract of the Master's Thesis

Mode of delivery:

Self study

Learning activities and teaching methods:

An abstract of the student's Master's thesis written in their native language on the form that is found on the faculty's website

Target group:

Major subject students of Information Studies

Prerequisites and co-requisites:

Master's thesis turned in for review

Assessment methods and criteria:

Written abstract of the student's Master's thesis

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

Grading:

Pass/fail

Person responsible:

Professor, University Lecturers

Working life cooperation:

No

e1

694603S: Knowledge Management, 6 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

6

Language of instruction:

English

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students will be able to analyse the theoretical background and conceptions of Knowledge Management, assess different methods of KM, and apply social media as a KM tool.

Contents:

The theoretical background and conceptions of KM, KM tools and applications, social media as a KM tool

Mode of delivery:

Web-based teaching

Learning activities and teaching methods:

Web-based course and exercises, supplementary literature

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Basic Studies in Information Studies required as well as book examination of Knowledge-based Organizations course

Recommended or required reading:

Web-based learning material and supplementary literature

Assessment methods and criteria:

Active participation in web-based teaching, a written report/exercise project

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

Grading:

Pass/fail

Person responsible:

Professor Maija-Leena Huotari

Working life cooperation:

No

694628S: Research on Scientific Communication and Informetrics, 6 op**Voimassaolo:** 01.08.2009 -**Opiskelumuoto:** Advanced Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

6

Language of instruction:

Finnish

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students will be able to recognize research questions concerning scientific communication and apply informetric methods in their analysis.

Contents:

Current research issues in scientific communication

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures, seminars and literature

Target group:

Students of Information Studies and TIEMA

Prerequisites and co-requisites:

Successful completion of Basic and Intermediate Studies in Information Studies required (if applicable)

Recommended or required reading:

Literature to be announced during lectures

Assessment methods and criteria:

Active participation in lectures and seminars

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

Pass/fail

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No

Other information:

For TIEMA students, the scope of the course is 4 credits.

694629S: Theory of Classification and Its Applications, 6 op

Voimassaolo: 01.08.2009 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

6

Language of instruction:

Finnish

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students will be familiar with the theory and history of classification and classificatory structures, and understand how they can be applied in content representation as well as other subfields of Information Studies.

Contents:

Theory, history and applications of classification and classificatory structures

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and exercises

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Basic Studies in Information Studies, Information Storage and Retrieval I and II

Recommended or required reading:

Literature to be announced during lectures

Assessment methods and criteria:

Exercise project and formal lecture examination

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

Grading:

0-5

Person responsible:

University Lecturer Vesa Suominen

Working life cooperation:

No

694605S: Library, Information and Documentation Philosophy and Theory, 3 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

4th or 5th year

Learning outcomes:

Upon completion of the course, students recognize and are able to interpret, analyse and evaluate the fundamentals of library, information and documentation methods as well as societal and cultural discourses meaningful in their field.

Contents:

Theories and philosophies of library, information and documentation practices, relevant themes related to social and cultural philosophy and theories

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Basic Studies in Information Studies required

Recommended or required reading:

Literature to be announced during lectures

Assessment methods and criteria:

Essay

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

Pass/fail

Person responsible:

University Lecturer Vesa Suominen

Working life cooperation:

No

694631S: Other Research Area of Information Studies, 6 op**Voimassaolo:** 01.08.2009 -**Opiskelumuoto:** Advanced Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

6

Language of instruction:

Finnish or English

Timing:

To be agreed upon on an individual basis

Mode of delivery:

Self study

Target group:

Students of Information Studies

Assessment methods and criteria:

To be agreed upon on an individual basis

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

694635S: Philosophy of Science and Scientific Argumentation, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

694636S: Sociology of Science, 4 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

694634S: History of Science, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

694638S: Politics of Science, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

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:

6

Language of instruction:

Finnish

Timing:

3rd-5th year

Learning outcomes:

Upon completion of the course, students will be able to analyse the research subjects and methods as well as the theoretical premises of health information and communication. They will also be able to analyse the theoretical aspects of information behaviour in relation to health behaviour and evaluate its applicability with respect to improving health.

Contents:

Improvements in health, tailoring of health information and communication, patterns of changes in health behaviour, information behaviour related to health, comprehension of health education.

Mode of delivery:

Contact teaching or self-study

Learning activities and teaching methods:

Lectures (12 hours), readings and an exercise, or a compensatory book examination

Target group:

Major and subsidiary subject students of Information Studies degree programme

Prerequisites and co-requisites:

Information Behaviour and Methods, successful completion of Basic Studies in Information Studies.

Recommended or required reading:

Johnson, D. & Case, D.O., Health Information Seeking (2012);
Reivinen, J. & Vähäkylä, L. (toim.), Kansan terveys, yksilön hyvinvointi (2012).
Any additional materials to be posted online.

Assessment methods and criteria:

Lectures and an exercise, or a book examination.
Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

0-5

Person responsible:

Professor Maija-Leena Huotari

Working life cooperation:

no

Other information:

The course may be included as a 3 ECTS credit package in the supplementary studies portion of the Intermediate Studies in Information Studies.

694589P: Information Behaviour, 3 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

1st, 2nd or 3rd year, on the degree group's examination date

Learning outcomes:

Upon completing the course, the student will be able to define the essential concepts of information behaviour and information seeking, and is able to discuss them with examples and describe related research.

Contents:

Information behaviour, information seeking and information needs

Mode of delivery:

Self study

Learning activities and teaching methods:

Book examination

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

None

Recommended or required reading:

Haasio, A. & Savolainen, R., Tiedonhankintatutkimuksen perusteet, (Helsinki: BTJ Kirjastopalvelu, 2004); Niemelä Raimo, Ikääntyneiden informaatiokäyttäytyminen: Laadullinen tutkimus arkielämän informaatiokäytännöistä ja toimintaan aktivoitumisesta, (Oulu: University of Oulu, 2006). Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Book examination

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

Grading:

0-5

Person responsible:

Professor Maija-Leena Huotari

Working life cooperation:

No

694615P: Information Production and Collections, 5 op

Voimassaolo: 01.08.2009 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

5

Language of instruction:

Finnish

Timing:

1st year, periods 2–3

Learning outcomes:

Upon completion of the course, students will understand the production of documents in terms of volume, forms and contents. They will be able to recognize different types of publications and assess them in terms of collection work, and can analyse the principles of choosing material in light of societal and cultural appreciation.

Contents:

Collections and collection work, production of documents, cultural and social preferences in collection work

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures, exercises, literature to be announced during the lectures

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

None

Recommended or required reading:

Wilén, R. & Kortelainen, T.: Kirjastokokoelmien kehittämisen ja arvioinnin perusteet: Teoria, menetelmät ja käytäntö (2007). Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Active participation in lectures and exercises, examination

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

Grading:

0-5

Person responsible:

University Lecturer Vesa Suominen

Working life cooperation:

No

694587P: Information Seeking and Retrieval, 4 op

Voimassaolo: 01.08.2009 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4

Language of instruction:

Finnish

Timing:

1st year, period 1 (autumn term)

Learning outcomes:

Upon completion of the course, students will understand the relationship between the concepts of information seeking and retrieval and be familiar with the general principles and premises of information retrieval. Students can apply the basic techniques of information retrieval in practice, as well as can plan and execute information searches by using various channels of information.

Contents:

Channels of information seeking and retrieval; information sources; basic methods of information seeking, such as Boolean operators; browsing; liberal usage of words and controlled description; evaluation of relevance

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and assignments

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

None

Recommended or required reading:

Supplementary reading: Alaterä, A. & Halttunen K.: Tiedonhaun perusteet – osa lukutaitoa (2002). Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Lectures and assignments

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

Grading:

Pass/fail

Person responsible:

University Lecturer Vesa Suominen

Other information:

For the TIEMA students, the scope of the course is 3 ECTS credits. Includes information seeking sessions organized by Oulu University Library. Tutored by second-year students

694616P: Information in Society, 3 op

Voimassaolo: 01.08.2009 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

1st, 2nd or 3rd year

Learning outcomes:

Upon completion of the course, students can analyse the meanings and development of various forms of information storage, publication and dissemination in the information society.

Contents:

Various forms of information storage, publication and dissemination

Mode of delivery:

Self study

Learning activities and teaching methods:

Book examination

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

None

Recommended optional programme components:

Alternative course: Introduction to Communication (3 ECTS credits). TIEMA

Recommended or required reading:

Ekholm, K. & Repo, Y. (edit.), Kirja tienhaarassa vuonna 2020 (2010); Tuominen, K., Tiedon partaalla kuinka hallita informaatiotulvaa (2nd edition).

Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Book examination on the degree group's examination date

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

Grading:

0-5

Person responsible:

Univeristy Lecturer Vesa Suominen

Working life cooperation:

No

694550P: Introduction to Information Studies, 6 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

6

Language of instruction:

Finnish

Timing:

1st year, periods 1–2 (autumn term)

Learning outcomes:

Upon completion of the course, students are familiar with the focal fields and subjects of research as well as the central concepts of Information Studies and can analyse their mutual relationships.

Contents:

The fields and subjects of research and basic concepts of Information Studies, and the developments of Information Studies as a scientific discipline

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures, group assignments, writing a learning portfolio

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

None

Recommended or required reading:

Literature to be announced during lectures

Assessment methods and criteria:

Active participation in lectures, completion of assignments, writing a learning portfolio

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

Pass/fail

Person responsible:

Professor Maija-Leena Huotari

Working life cooperation:

No

Other information:

Alternative completion methods based on web materials are possible but are to be agreed separately upon with the person responsible for the course.

694588P: Management and Leadership, 4 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4

Language of instruction:

Finnish

Timing:

1st year, periods 3–4 (spring term)

Learning outcomes:

Upon completion of the course, the student will understand the elements of management and leadership and the application of selected tools in organizations in the information field.

Contents:

Strategic management, human resources management, management of a public and a scientific library, evaluation of the quality of activities and services

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures, group work

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Introduction to Information Studies

Recommended or required reading:

Lectures and materials included in the Optima learning environment. Huotari M.-L. & Lehto A. (eds.)

Johtamishaasteena muutos – kirjasto akateemisessa yhteisössä (2009) (Section 2). Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Lectures, exam and group work

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

Grading:

0-5

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No

694614Y: 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:

1st year, autumn semester

Target group:

Students majoring in Information Studies

Assessment methods and criteria:

Personal discussion with the teacher tutor

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

Grading:

Pass/fail

Person responsible:

Teacher tutors of Information Studies

Working life cooperation:

No

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

Opiskelumuoto: Intermediate Studies

Laji: Study module

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opettajat: Maija-Leena Huotari

Opintokohteen kielet: Finnish

Leikkaavuudet:

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

Assessment methods and criteria:

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

694624A: Information Storage and Retrieval I, 4 op**Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay694624A Information Storage and Retrieval I (OPEN UNI) 4.0 op

ECTS Credits:

4

Language of instruction:

Finnish

Timing:

1st or 2nd year, periods 3–4

Learning outcomes:

Upon completion of the course, students can explain the general premises of information storage and the structural features of information retrieval systems and how they appear in bibliographic supervision. Students can differentiate between the tasks and mutual relationships of standards in information storage and apply them when representing the material. Students are able to apply and analyse these features of information retrieval systems in information retrieval.

Contents:

Cataloguing and content representation and related theories and standards, including cataloguing rules, Functional Requirements for Bibliographic Records (FRBR), documentary languages and Marc-formats and their tasks and structures. How structures of information retrieval systems influence the possibilities of retrieval. Examples of various types of information retrieval systems

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lecture and exercises

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Information Seeking and Retrieval I required

Recommended or required reading:

Suominen, V., Saarti, J. & Tuomi, P., Bibliografinen valvonta: johdatus luetteloinnin ja sisällönkuvailun menetelmiin (2009) (Chapters 1, 2, 3 and 5). Lecture and exercise materials Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Lectures, exercises, examination

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

0-5

Person responsible:

University Lecturer Vesa Suominen

Working life cooperation:

No

694625A: Information Storage and Retrieval II, 4 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay694625A Information Storage and Retrieval II (OPEN UNI) 4.0 op

ECTS Credits:

4

Language of instruction:

Finnish

Timing:

1st or 2nd year, period 2 (autumn term)

Learning outcomes:

Upon completion of the course, students recognize the options of content-based retrieval and representation as well as the types of documentation languages. They can present the structural premises of documentation languages and use them to represent the contents of a document. Students can evaluate the options of a retrieval, compare the strengths and weaknesses of different types of document language's structures in various contexts of retrieval and can identify special features of content representation and information retrieval in various types of content. They are able to analyse a client's information requirements and evaluate search results with regard to the client's expectations and needs.

Contents:

Various options of content-based information retrieval; general premises of automatic retrieval and representation techniques; content representation and documentation languages and their structural premises; various systematic structures and structures of categorization; thesaurus and other factual lexicon; ontologies; content-based information retrieval in various types of content; information retrieval for clients

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and exercises

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Information Production and Collections (to be completed either before or in conjunction with course)

Recommended or required reading:

Suominen, V., Saarti, J. & Tuomi, P., Bibliografinen valvonta: johdatus luetteloinnin ja sisällönkuvailun menetelmiin (2009 Chapter 4)

Assessment methods and criteria:

Lectures, exercises, examination

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

Grading:

Pass/fail

Person responsible:

University Lecturer Vesa Suominen

Working life cooperation:

No

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay694626A Information Literacy and Social Media (OPEN UNI) 4.0 op

ECTS Credits:

4

Language of instruction:

Finnish

Timing:

1st, 2nd or 3rd year, periods 3–4

Learning outcomes:

Upon completion of the course, students will be able to analyse and compare the elements of information literacy, compare different views regarding them and apply them to social media.

Contents:

Compilation of the elements of information literacy and evaluation criteria, social media

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Introductory lectures, problem-based learning and an evaluation exercise

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of at least one of the following, preferably both: Information Storage and Retrieval I or Information Storage and Retrieval II

Recommended or required reading:

Holmberg, K., Huvila, I., Kronqvist-Berg, M., Nivakoski, O., Wide#n-Wulff, G., Kirjasto 2.0: muuttuva osallistumisen kulttuuri (2009).

Material in the Optima learning environment and independently acquired material. Anderson, P., What is Web 2.0? Ideas, Technologies and Ideas for Education (JISC Technology and Standards Watch. 2007) (Chapters 1–6.5). Available at <http://www.jisc.ac.uk/media/documents/techwatch/tsw0701b.pdf>

Assessment methods and criteria:

Problem-based learning, seminar, lectures, examination

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

Grading:

0-5

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No

694621A: Evaluation and Information Resources, 3 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay694621A Evaluation and Information Resources (OPEN UNI) 3.0 op

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

1st-3rd year

Learning outcomes:

Upon completing the course, the student will understand the nature of various basic evaluation principles and be able to apply them to different information resources.

Contents:

Evaluation of various information resources

Mode of delivery:

Self study

Learning activities and teaching methods:

Literature exam

Target group:

Students majoring or minoring in Information Studies

Recommended or required reading:

Bjomeborn, L. & Ingwersen, P. (2004) Toward a Basic Framework for Webometrics. Journal of the American Society for Information Science and Technology, 55(14):1216-1227. Available: <http://search.proquest.com/docview/231505177/fulltextPDF/134C1261CB0780EBB31/2?accountid=13031>;

Holmberg, K. & Thelwall, M. : Local government web sites in Finland: A geographic and webometric analysis. Scientometrics, 2009, 79, 157-169. <http://www.springerlink.com/content/43q61p6mk5643312/fulltext.pdf>

Kuutti, W.: Käytettävyys, suunnittelu ja arviointi. 2003.

Kärki, R. & Kortelainen, T.: Johdatus bibliometriikkaan. 1996.

Payne, N. & Thelwall, M. (2008) Longitudinal trends in academic web links. Journal of Information Science 34(1):3-14. Available: <http://ejsccontent.ebsco.com/ContentServer.aspx?target=http%3A%2F%2Fjis%2Eesagepub%2Ecom%2Fcgi%2Freprint%2F34%2F1%2F3%2Epdf%3F%26UCI%5FFMT%3DKEV%26UCI%2EUserIP%3D130%2E231%2E114%2E184%26UCI%2EPID%3D026354720002>

Assessment methods and criteria:

Literature exam

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

Grading:

0-5

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No

694630A: Information Behaviour and Methods, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay694630A Information Behaviour and Methods (OPEN UNI) 3.0 op

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

2nd or 3rd year, periods 1–2.

Learning outcomes:

Upon completion of the course, students can recognize, analyse and evaluate the focal models of information behaviour and methods and apply them to the contexts of everyday life and professions.

Contents:

Terminology of information behaviour and methods; the theoretical premises of the field of research; methods for empirical research; actualization of an exercise by the students themselves

Mode of delivery:

Contact teaching or self study

Learning activities and teaching methods:

Lectures (12h) and an exercise or, alternatively, a book examination

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Introduction to Information Studies, Information Behaviour required

Recommended or required reading:

For the book examination: Case, D. O., Looking for information: a survey of research on information seeking, needs, and behavior (2nd ed. 2007)(Chapters 1–6, pp. 3–40); Savolainen, R., Everyday information practices: a social phenomenological perspective (2008)(Chapters 1–4, pp.1–81)

Assessment methods and criteria:

Lectures and an exercise, or a book examination. The book examination will take place on the faculty's examination date

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

Grading:

0-5

Person responsible:

Professor Maija-Leena Huotari

Working life cooperation:

No

694620A: Knowledge-Based Organizations, 3 op

Voimassaolo: 01.08.2009 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay694620A Knowledge-Based Organizations (OPEN UNI) 3.0 op

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

2nd or 3rd year

Learning outcomes:

Upon completion of the course, students will understand the relations between information, knowledge and interaction in the creation of new knowledge in knowledge-based organizations. They will also be able to explain the role of Knowledge Management in this environment.

Contents:

Information management and sharing knowledge in knowledge-based activities; interaction; communication and creating knowledge in organizational settings; Knowledge Management

Mode of delivery:

Self study

Learning activities and teaching methods:

Book examination

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Introduction to Information Studies

Recommended or required reading:

Huotari, M.-L., Hurme P. & Valkonen T., Viestinnästä tietoon: Tiedon luominen työyhteisössä. (2005). Lectures 1 and 3 of the Knowledge Management online material available in Optima. Availability of the course literature can be checked via WebOodi

Assessment methods and criteria:

Book examination on the faculty's examination date

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

0-5

Person responsible:

Professor Maija-Leena Huotari

Working life cooperation:

No

Other information:

Alternative completion based on the Knowledge Management online material is also possible in either Finnish or English, but is to be agreed upon with the person responsible for the course.

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**Opettajat:** Heidi Enwald**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay694557A Practical Training (OPEN UNI) 8.0 op

ECTS Credits:

5-8

Language of instruction:

Report written in either Finnish or English

Timing:

1st, 2nd or 3rd year

Learning outcomes:

Upon completing the course, the student will be able to recognize issues typical of the main areas of Information Studies in various practical contexts, and learn to perform related work tasks.

Contents:

Practice in information work, for instance in libraries, archives, museums, information services, research or other knowledge-based organizations

Mode of delivery:

Contact teaching and self study

Learning activities and teaching methods:

Practical training and practice seminar

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Basic Studies in Information Studies

Recommended or required reading:

-

Assessment methods and criteria:

2 or 3 months of information work, reporting, participation in practice seminar
Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

Pass/fail

Person responsible:

University Lecturer Vesa Suominen

Working life cooperation:

2 or 3 months of work practice

Other information:

2 months of work practice equals 5 ECTS credits, 3 months equals 8 ECTS credits. The training may be replaced partially or in full with previous work experience.

694564A: Information Legislation and Ethics, 3 op**Voimassaolo:** 01.08.2005 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay694564A Information Legislation and Ethics (OPEN UNI) 3.0 op

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

2nd or 3rd year

Learning outcomes:

Upon completion of the course, students will be able to recognize the core principles of jurisdiction and can distinguish ethical principles from laws. Students will be familiar with the essential laws related to information and communication, and be able to apply them to simple cases.

Contents:

Core principles of jurisdiction, laws, norms and ethical aspects related to information and communication

Mode of delivery:

Contact teaching or self study

Learning activities and teaching methods:

Lectures or book examination

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Introduction to Information Studies required

Recommended or required reading:

Mäkinen, O., Internet ja etiikka (2006); Vuortama T. & Kerosuo, L., Viestinnän lait ja säännöt (2004); plus either of the following works: Poroila H., Tekijänoikeus ja kirjastot (2006), or Juholin E., Mediapeli: anatomia ja keinot (2003 or newer)

Assessment methods and criteria:

Learning diary or book examination on the degree group's examination date
Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

Pass/fail

Person responsible:

University Lecturer Vesa Suominen

Working life cooperation:

No

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

Language of instruction:

Finnish

Timing:

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

Learning outcomes:

Upon completion of the course, the student will be able to recognize the special features of library services for children and young people and various elements of media education.

Contents:

Development, elements and methods of library work related to services for children and young people

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

None

Assessment methods and criteria:

Learning diary and examination

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

Grading:

Pass/fail

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No

694567A: Music Librarianship, 3 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

2nd or 3rd year

Learning outcomes:

Upon completion of the course, students will be familiar with music librarianship as one of the subfields of library work, will understand the nature of music librarianship and be able to perform simple cataloguing, content representation and retrieval tasks related to music.

Contents:

The history, principles and practical tasks of music librarianship, acquisition, cataloguing, content representation and retrieval of material related to music

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures

Target group:

Major and subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Information Storage and Representation 1

Assessment methods and criteria:

Formal lecture examination

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

Grading:

Pass/fail

Person responsible:

University Lecturer Vesa Suominen

Working life cooperation:

No

695102P: Web Publishing, 4 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4

Language of instruction:

Finnish

Timing:

Free

Learning outcomes:

Upon completion of the course, students will be able to create a simple web publication.

Contents:

Basics of Web Publishing

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and exercises

Target group:

Students of TIEMA and Information Studies

Prerequisites and co-requisites:

None

Assessment methods and criteria:

Assignment

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

Grading:

Pass/fail

Person responsible:

Professor Erkki Karvonen

Working life cooperation:

No

695105P: PR-Communication, 5 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay695105P PR-Communication (OPEN UNI) 5.0 op

ECTS Credits:

5

Language of instruction:

Finnish

Timing:

2nd year, spring semester

Learning outcomes:

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

Contents:

External Organizational Communication

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures

Target group:

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

Prerequisites and co-requisites:

None

Recommended or required reading:

Tench, Ralph & Liz Yeomans : Exploring public relations. (eds.), 2nd ed., Harlow, England; New York: FT Prentice Hall, 2009.

Assessment methods and criteria:

Examination

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

Grading:

0-5

Person responsible:

Professor Erkki Karvonen

Working life cooperation:

No

694531S: Changing Media Culture, 5 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay694531S Changing Media Culture (OPEN UNI) 5.0 op

ECTS Credits:

5

Language of instruction:

Finnish

Timing:

2nd year, fall semester

Learning outcomes:

Upon completing the course, the student will be able to approach the media and media culture as social, economical and technological phenomena. He/she will be able to explain the historical changes and current trends in the media and journalism. The student will be able to explain 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

Learning activities and teaching methods:

Lectures and literature

Target group:

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

Prerequisites and co-requisites:

None

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 & David McLean: Media and Society in the Twentieth Century, 2003.

Assessment methods and criteria:

Examination

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

Grading:

0-5

Person responsible:

Professor Erkki Karvonen

Working life cooperation:

No

694533S: Communication Research, 5 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay694533S Communication Research (OPEN UNI) 5.0 op

ECTS Credits:

5

Language of instruction:

Finnish

Timing:

1st year, spring term

Learning outcomes:

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

Contents:

Various schools within the communication research and their historical development.

Mode of delivery:

Self study

Learning activities and teaching methods:

Literature

Target group:

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

Prerequisites and co-requisites:

None

Recommended or required reading:

Pietilä, Veikko . Joukkoviestintätutkimuksen valtateillä. Vastapaino, 1997 (or a more recent edition).
Tuomo Mörä, Inka Salovaara-Moring & Sanna Valtonen (eds.): Mediatutkimuksen vaeltava teoria. Helsinki: Gaudeamus, 2004.

Assessment methods and criteria:

Book examination or essay

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

Grading:

0-5

Person responsible:

Professor Erkki Karvonen

Working life cooperation:

No

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

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay694597S Introduction to Science Communication (OPEN UNI) 5.0 op

ECTS Credits:

5

Language of instruction:

Finnish

Timing:

1st year, fall semester

Learning outcomes:

Upon completing the course, the student will be able to explain the key issues in the public communication of science. He/she will be able to explain how internal and external communication of science works, how science is popularized, how science is disseminated, and how science is represented in the media. The student will be able to recognize the different cultures inherent in science and journalism. He/she will be familiar with the principles on how to write a press release aimed at the media and the public.

Contents:

Basics of Science Communication

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and literature

Target group:

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

Prerequisites and co-requisites:

None

Recommended or required reading:

Bucchi, Massimiano and **Brian Trench** (eds.): Handbook of Public Communication of Science and Technology. London: Routledge, 2008.

OR:

Gregory, Jane and **Steve Miller** : Science in Public: Communication, Culture, and Credibility. Cambridge (Mass.) : Basic Books, 1998.

Assessment methods and criteria:

Examination

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

Grading:

0-5

Person responsible:

Professor Erkki Karvonen

Working life cooperation:

No

694568A: Other Optional Topic 1, 2 - 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:

2-3

Language of instruction:

Finnish or english

Timing:

Free

Learning activities and teaching methods:

To be announced on a case-to-case basis.

Target group:

Students of Information Studies

Recommended or required reading:

To be announced during the course

Assessment methods and criteria:

To be announced on a case-to-case basis

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

694569A: Other Optional Topic 2, 2 - 3 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

2-3

Language of instruction:

Finnish or english

Learning activities and teaching methods:

To be announced on a case-to-case basis

Target group:

Students of Information Studies

Recommended or required reading:

To be announced during the course

Assessment methods and criteria:

To be announced on a case-to-case basis

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

e2

694617Y: 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:

2nd or 3rd year

Target group:

Students majoring in Information Studies

Assessment methods and criteria:

Personal discussion with the teacher tutor
 Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

Pass/fail

Person responsible:

Teacher tutors of Information Studies

Working life cooperation:

No

694570A: Research Methods I, 2 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

2

Language of instruction:

Finnish

Timing:

2nd or 3rd year, periods 1–2 (autumn term)

Learning outcomes:

Upon completion of the course, students will be familiar with the basic quantitative and qualitative research methods in Information Studies as well as the ethical principles of research. They will be able to conduct a short interview, a questionnaire survey and a content analysis exercise.

Contents:

Research ethics; a review of research methods typical of Information Studies; a questionnaire survey, an interview, and a content analysis; scientific writing

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and exercises

Target group:

Major subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Basic Studies in Information Studies, Introduction to Statistical Analysis required

Recommended or required reading:

-

Assessment methods and criteria:

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

Grading:

Pass/fail

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No

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**Opettajat:** Heidi Enwald**Opintokohteen kielet:** Finnish**ECTS Credits:**

8

Language of instruction:

Finnish

Timing:

2nd or 3rd year, periods 3–4 (autumn term)

Learning outcomes:

Upon completion of the course, students will be able to formulate a research question and conduct a minor study on the basis of research literature or empirical material, utilize selected research methods, write a Candidate's thesis, and evaluate and comment on the theses of their peers.

Contents:

Information search for the student's own thesis, conducting a study, writing a thesis, acting as an opponent for a peer's thesis

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Seminar, independent research

Target group:

Major subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Basic Studies in Information Studies required as well as Research Methods I, (the general studies method course provided by the Faculty of Humanities) and Information Resources and Evaluation (book exam)

Recommended or required reading:

-

Assessment methods and criteria:

Active participation in seminar, a 25-page thesis and its presentation, acting as an opponent
Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

0-5

Person responsible:

University Lecturers

Working life cooperation:

No

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 (or other native language)

Timing:

After Candidate's Seminar

Learning outcomes:

Upon completion of the course, based on their assignments, students can write an essay, fluent both in language and content, in which they are able to evaluatively present the theoretical and methodological background and the focal results of their Candidate's thesis.

Contents:

Written examination on the basis of the student's Candidate's thesis

Mode of delivery:

Self study

Target group:

Major subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Candidate's Seminar and Thesis required

Assessment methods and criteria:

Essay written in the exam situation

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

Grading:

Pass/fail

Person responsible:

University Lecturers

Working life cooperation:

No

H112830: Language and Communication Studies, 15 - 45 op

Voimassaolo: 01.08.2010 -

Opiskelumuoto: Language and Communication Studies

Laji: Study module

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Assessment methods and criteria:

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

e

010100Y: Orientation Course for New Students, 0 op

Opiskelumuoto: General Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opettajat: Sievola, Oili Elina

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

901000Y: Second Official Language (Swedish), 5 op

Voimassaolo: 01.08.1995 -

Opiskelumuoto: Language and Communication Studies

Laji: Course

Vastuuyksikkö: Language Centre

Opintokohteen kielet: Swedish

Leikkaavuudet:

ay901000Y Second Official Language (Swedish) (OPEN UNI) 5.0 op

Proficiency level:

B1/B2/C1

Status:

This course is compulsory to all students except those who have at least 25 ECTS credits of Swedish studies in their degrees. The language proficiency provided by the course unit is equivalent to the language proficiency required of a state official with an academic degree working in a bilingual municipality area (Act 424/03 and Decree 481/03).

According to the requirements of the law, the student must be able to use Swedish both orally and in writing in various professional situations. Achieving this kind of proficiency during a course unit that lasts for only one semester requires that the student has already achieved the necessary starting proficiency level prior to taking the course.

Required proficiency level:

The required starting proficiency level for students of all faculties is a grade of 7 or higher from the Swedish studies at secondary school (B-syllabus) or equivalent knowledge AND a passing grade from the proficiency test held at the beginning of the course. Based on this proficiency test the students are directed to brush up on their language skills with self-directed course units (901028Y På väg 1-3, ECTS credits) if it is deemed necessary; mastering basic vocabulary and grammar is a prerequisite to achieving the necessary language proficiency for the various communication situations one faces in professional life. If a student has not completed Swedish studies (B-language) at secondary school with a grade of 7 or higher, or his/her language skills are otherwise lacking, he/she must achieve the required proficiency level BEFORE taking this compulsory Swedish course.

ECTS Credits:

5 ECTS credits

Language of instruction:

Swedish

Timing:

Students of Information Studies (INFO), Art Studies and Anthropology (TAIDA) and Logopedics (LOGO), history and Finnish students in teacher education - autumn semester of the 3rd year of studies; students of the Giellagas institute, History, Finnish - spring semester of the 3rd year of studies students of English and German Philology - spring semester of the 1st year of studies.

Learning outcomes:

Upon completion of the course unit the student should be able to read and understand texts from his/her academic field and make conclusions based on them. The student should be able to write typical professional emails and short reports. He/she should be able to carry himself/herself according to Swedish etiquette when acting as host or guest. The student should also be able to discuss current events and special field-specific matters, use the vocabulary of education and plan and give short oral presentations relating to his/her own field.

Contents:

Communicative oral and written exercises, which aim to develop the student's Swedish proficiency in areas relevant to his/her academic field and future professional tasks. The student practises oral presentation and pronunciation. Situational exercises done individually and in pairs and groups. Discussions in small groups. Current texts about the student's special field. Listening comprehension exercises. Written exercises relating to the student's professional field.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

2 x 90 minutes of contact teaching per week and related exercises, self-directed study, a total workload of 130 hours per course unit.

Target group:

Students of the Faculty of Humanities

Prerequisites and co-requisites:

See Required Proficiency Level

Recommended optional programme components:

-

Recommended or required reading:

Teacher will provide material subject to a small fee.

Assessment methods and criteria:

The course unit focuses on improving both oral and written language skills and requires active attendance and participation in exercises, which also require preparation time. 100% attendance is required. The course unit tests both oral and written language skills. Students participate in the teaching in either autumn semester or spring semester.

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

Grading:

Oral and written language proficiencies are tested separately and assessed using the so called KORU-criteria (publication of HAMK University of Applied Sciences, 2006). Separate grades will be awarded for the successful completions of both oral and written portions of the course unit: the possible passing grades are satisfactory skills and good skills (see language decree 481/03). The grades are based on continuous assessment and testing.

Person responsible:

See contact teachers

Working life cooperation:

-

Other information:

Students sign up for teaching in WebOodi. A student can only sign up for one teaching group intended for his / her field of study. When signing up in WebOodi, it is imperative that the student fills in the following information into the Further Information field: his/her email address, major subject and Swedish grades attained during secondary education. The student will be notified of a place in the course unit via email prior to the beginning of teaching.

900050Y: Written and Oral Communication Skills, 4 - 5 op

Voimassaolo: 01.08.1995 -

Opiskelumuoto: Language and Communication Studies

Laji: Course

Vastuuyksikkö: Language Centre

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay900050Y Written and Oral Communication Skills (OPEN UNI) 4.0 op

Proficiency level:

-

Status:

Compulsory (See below)

Required proficiency level:

-

ECTS Credits:

4 - 5 credits

Language of instruction:

Finnish

Timing:

-

Learning outcomes:

-

Contents:

-

Mode of delivery:

-

Learning activities and teaching methods:

Students in the Faculty of Humanities select their written and oral communication studies from the course units offered in the Communication Buffet in such a way that the selected course units include both written and oral studies. With most of the course units, the student has the option to choose between versions worth 2 credits or 3 credits; the student may choose to take a 3 credit written skills course and a 2 credit oral skills course - or vice versa - to form the required total amount of 5 credits. The student must discuss the additional assignments required for the 3 credit version with the teacher of the course unit in question. It is also possible to complete the communication studies with one course unit, which combines both oral and written studies and is worth 5 credits.

Students of Saami Language and Saami Culture complete the Communication Buffet course unit 900050Y-04 Scientific Communication (Tieteellinen viestintä) - 5 ECTS credits.

Students in the Master's Degree Programme in Business Communication may complete their communication studies by taking the course unit 900055Y Communication Skills in Business and Economic Life (Talouselämän viestintä) (3 ECTS credits) intended for students of Economics and one freely selectable course unit (2 ECTS credits) from the Communication Buffet.

Faculty of Science

Students of Information Processing Science complete the course unit in teaching groups reserved for them by **either** taking the course unit 900050-27 Scientific Communication (TOL) (Tieteellinen viestintä [TOL]) - 4 ECTS credits (Option A) **OR** the course units 900050Y-18 Written Communication 1 (TOL) (Kirjoitusviestintä [TOL]) - 2 ECTS credits and 900050Y-26 Oral Communication (TOL) (Puheviestintä [TOL]) - 2 ECTS credits (Option B).

Target group:

See above

Prerequisites and co-requisites:

-

Recommended optional programme components:

-

Recommended or required reading:

-

Assessment methods and criteria:

-

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

Grading:

-

Person responsible:

See Contact teachers of Languages and Communication

Working life cooperation:

-

Other information:

-

902000Y: Reading for Academic Purposes in the Humanities, 2 op

Voimassaolo: 01.08.1995 -

Opiskelumuoto: Language and Communication Studies

Laji: Course

Vastuuyksikkö: Language Centre

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: English

Proficiency level:

B2/C1 (on the [CEFR scale](#))

Status:

Obligatory foreign language course for Humanities Faculty students who choose English as their foreign language and whose matriculation exam grade is lower than *laudatur* or *eximia cum laude approbatur*.

Required proficiency level:

English as A- or B-language in senior secondary school, or equivalent skills.

ECTS Credits:

2 op / 2 ECTS (total work load 54 hours including classroom meetings)

Language of instruction:

English

Timing:

1st year students; autumn term (only)

Recommendation: BEFORE completion of *902001Y Academic Communication*

Learning outcomes:

The general aim is to be able to read more extensive academic - general or discipline-specific - texts with increased confidence and at sufficient speed and to process it critically. More specifically, the aim is to be able to read and understand main ideas of an academic text, scan sufficiently quickly for relevant details, and extract information from the readings.

Learning outcomes: By the end of the course, you are expected to be able to

- apply various reading skills to extract information and to learn content from English readings in academic and professional contexts
- express and summarize contents of text in your own words both orally and in written form with increased confidence
- demonstrate skills in critical reading
- identify how scientific text and academic articles are organized
- distinguish and recognize meaningful parts of academic vocabulary to infer meanings of words

Contents:

The course comprises discussion on skills and strategies for reading (*metaskills*), and demonstration of these skills in pair/group projects and presentations. In addition to this, the students will familiarize themselves and display sufficient academic vocabulary skills, word formation in particular.

While practicing the necessary metaskills the students perform detailed analysis of texts or journal articles in their own field of study.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

The scope of the course is 2 op, consisting of 23 contact hours, including class sessions and tutoring, and 30 hours' input of work by the student independently and in the study groups.

STAGE 1 (*Skills & Strategies for Reading*) and STAGE 3 (*Presentations & Discussion*) are *class sessions*
STAGE 2 (*Group Projects*) consists of tutored work in *study groups*

Target group:

Students of the faculty of Humanities

Prerequisites and co-requisites:

-

Recommended optional programme components:

See 902001Y Academic Communication, which is taken AFTER completion of this course

Recommended or required reading:

These will be provided by the teacher and a copy fee will be charged. In addition some research materials will be retrieved by the student.

Assessment methods and criteria:

Student work is monitored primarily by *continuous assessment*. You are required to 1) participate regularly and actively in all contact teaching provided, and to complete all required coursework; 2) participate regularly and actively in pair /group work assignments; and 3) participate in the oral presentation of the field-specific pair/group project work.

The course evaluation also includes demonstration of academic vocabulary skills and completion of all set tests or exams.

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

Grading:

pass/fail

Person responsible:

Heather Kannasmaa

Working life cooperation:

-

Other information:

-

902001Y: Academic Communication, 3 op

Voimassaolo: 01.08.1995 -

Opiskelumuoto: Language and Communication Studies

Laji: Course

Vastuuyksikkö: Language Centre

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: English

Proficiency level:

[B2/C1](#) (on the CEFR scale)

Status:

Obligatory foreign language course for Humanities Faculty students who choose English as their foreign language.

Required proficiency level:

English as A- or B-language in senior secondary school, or equivalent skills.

ECTS Credits:

3 op / 3 ECTS credits - The student workload is 80 hours of work

Language of instruction:

English

Timing:

After completion of 902000Y Reading for Academic Purposes in the Humanities.

Logopedics	<i>own group</i>
Anthropology / Archaeology / Sami Culture	<i>own group</i>
History / History of Science and Ideas	<i>own group</i>
Mixed audience groups: <i>Finnish Language</i> <i>History</i> <i>History of Science & Ideas</i> <i>Information Studies</i> <i>Literature</i> <i>Nordic Philology</i> <i>Sami Language</i>	<i>First year spring, 3 groups</i>

Learning outcomes:

In *Academic Communication*, you will focus on developing your academic communication skills in English. The course will enable you to follow developments in your own field and get along in an international, intercultural environment at an at least B2 level of proficiency.

Learning outcomes: By the end of the course, you are expected

- to have extended your language, culture and communication skills at a B2-C1 CEFR level in accordance with your own professional and personal needs
- to have demonstrated your use of appropriate strategies and techniques for communicating effectively in English in an academic context
- to have demonstrated the ability to present field-related subjects and use general academic and field-related vocabulary in spoken and written tasks
- to have demonstrated understanding the influence of intercultural considerations on professional language and communication

Contents:

Skills in listening, speaking, and giving presentations are practiced in the course. Homework tasks include reading, listening and writing tasks for purposes of topic research in preparation for classroom discussions.

Mode of delivery:

Contact Teaching

Learning activities and teaching methods:

80 hours of student work including regular weekly class attendance and homework.

Target group:

Students of the Faculty of Humanities

Prerequisites and co-requisites:

902000Y Reading for Academic Purposes in the Humanities (RAP-Hum)

Recommended optional programme components:

See 902000Y RAP-Hum, which is the prerequisite for this course.

Recommended or required reading:

These will be provided by the teacher and a copy fee will be charged.

Assessment methods and criteria:

You are required to participate regularly and actively in all contact teaching provided, complete all required coursework, and pass all set tests or exams.

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

Grading:

pass/fail

Person responsible:

Heather Kannasmaa

Working life cooperation:

-

Other information:

-

810136P: Introduction to Information Processing Sciences, 5 op**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Department of Information Processing Science**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Juhani Warsta**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay810136P Introduction to information processing sciences (OPEN UNI) 5.0 op

ECTS Credits:

5 ECTS credits/134 hours of work

Language of instruction:

Finnish

Timing:

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

Learning outcomes:

Students are able to complete information searches belonging to sub-ject areas related to the course, analyse the information they have found and write short reports and essays.

Contents:

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

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

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

Target group:**Recommended optional programme components:****Recommended or required reading:**

Study material will be announced during the course

Assessment methods and criteria:

The course assignments are graded. Extra points can be obtained by showing activity during the lectures. Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

Hylätty, 1 - 5

Person responsible:

Juhani Warsta

811171P: Humans as Users and Developers of Information Technology, 4 op**Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Department of Information Processing Science

Arvostelu: 1 - 5, pass, fail

Opettajat: Tonja Molin-Juustila

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay811171P Humans as Users and Developers of Information Technology (OPEN UNI) 4.0 op

ECTS Credits:

4 ECTS credits/108 hours of work

Language of instruction:

Finnish

Timing:

1st year, autumn semester, period 2

Learning outcomes:

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

Contents:

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

Mode of delivery:

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

Learning activities and teaching methods:

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

Target group:

Recommended or required reading:

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

Assessment methods and criteria:

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

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

Grading:

1-5

Person responsible:

Tonja Molin-Juustila

Working life cooperation:

No

812304A: Information Systems in Organizations, 6 op

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Department of Information Processing Science

Arvostelu: 1 - 5, pass, fail

Opettajat: Seppo Pahnila, Juhani Warsta

Opintokohteen kielet: Finnish

ECTS Credits:

6 ECTS credits/160 hours of work

Language of instruction:

Finnish

Timing:

1st year, autumn semester, period 1

Learning outcomes:

Learning outcomes: After completing the course the student is:

- Able to explain the importance of information systems for organisations;
- Able to define the conditions for success of information operations in the organisation;
- Able to explain the main features of information systems development.

Contents:

Fundamentals of organisations, structure and functioning, digital organisation, basic types of information systems, the role of information systems in organisations, the interplay between information systems and organisations, the role of information systems in organisational leadership and decision making, the formation and mastering of organisational information, enterprise resource planning systems, the renewal of organisations with information systems, the economic aspects of information systems.

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 27h, self-governing reading of course material 133h

Target group:

Prerequisites and co-requisites:

Course "811169P Introduction to Information Systems Design" or equivalent knowledge.

Recommended or required reading:

- Laudon, K.C and Laudon, J.P., Management Information Systems, Prentice-Hall, Upper Saddle River, NJ, 6th edition, 2000, pp. 2–159, 330–367, 398–495 or Seventh edition, 2002, pp. 2–101, 301–429, or 9th edition 2006, pp. 1–111, 378–506, 534–569, or 10th edition, pp. 3–119, 428–523, 552–587.
- Handy, C., Understanding Organizations, Penguin Books, 4th edition, 1999, pp. 13–179.
- Mintzberg, H., Structure in Fives, Designing effective organizations, Prentice-Hall, Englewood Cliffs, 1983, pp. 1–23.
- Nonaka, I. & Takeuchi, H., The Knowledge Creating Company, Oxford University Press, New York, 1995, pp. 56–94, 124–171.

Assessment methods and criteria:

Exam

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

Grading:

1-5

Person responsible:

Juhani Warsta

Working life cooperation:

No

810124P: Computer Architecture, 6 op**Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Department of Information Processing Science**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Petri Pulli**Opintokohteen kielet:** Finnish**ECTS Credits:**

6 ECTS credits/160 hours of work

Language of instruction:

Finnish

Timing:1st year, spring semester, period 3**Learning outcomes:**

After completing the course, a student understands and manages the software platform for the performance of the structure and activities related to performance, resource needs, and error situations. Students master the basic vocabulary, which is able to communicate and document the software development, particularly in the nearby device applications such as embedded software, mobile systems, multimedia and scientific computing. Students will be able to use and work with computers in their first job as a professional.

Contents:

1. Basics of digital logic and components of a processor
2. Display formats of digital information
3. The processor and its functions
4. The processor instruction set (MIPS and IA32)
5. Assembly language
6. Memory management
7. Input and output
8. Interrupts, device drivers and BIOS
9. Multimedia support
10. Mobile processors
11. Parallel computing

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 40h, home exercises 15h, laboratory exercises 15h, examination 90h

Target group:**Recommended optional programme components:**

-

Recommended or required reading:

Comer; D.E., Essentials of Computer Architecture. Pearson/Prentice Hall. ISBN 0-13-106426-7. 2005. 369 s.

Also examples of the following books are used in lectures:

Tanenbaum A.S., Structured Computer Organizations. 4th Edition. Prentice Hall. 1999. 700 s.
 Stallings, W. Computer Organization and Architecture. 5th Edition. Prentice Hall. 2000. 768 s.

Assessment methods and criteria:

Examination

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

Grading:

1-5

Person responsible:

Petri Pulli

Working life cooperation:

No

811174P: Introduction to Software Business, 5 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Department of Information Processing Science

Arvostelu: 1 - 5, pass, fail

Opettajat: Marianne Kinnula

Opintokohteen kielet: Finnish

Leikkaavuudet:

811178P Technology Business and Innovations 5.0 op

ay811174P Introduction to Software Business (OPEN UNI) 5.0 op

ECTS Credits:

5 ECTS credits/134 hours of work

Language of instruction:

Finnish

Timing:

1st year, spring semester, period 4

Learning outcomes:

After completing the course, a student can:

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

Contents:

More details on the course website

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures (30h), exercises (20h), independent work (64h), exam (20h)

Target group:**Recommended optional programme components:**

-

Recommended or required reading:

Refer to course website

Assessment methods and criteria:

Exam

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

Fail, 1 - 5

Person responsible:

Marianne Kinnula

694633A: Introduction to Statistical Analysis, 4 op**Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

4

Language of instruction:

Finnish

Timing:

2nd year, autumn or spring term

Learning outcomes:

Upon completion of the course, students will know how to plan a quantitative study and how to acquire observational data. Students will be able to describe a phenomenon being investigated by using tables, figures and parameters, and will know the fundamental principles of statistical inference.

Learning activities and teaching methods:

Lectures and exercises with the SPSS computer programme

Target group:

Students majoring or minoring in Information Studies

Prerequisites and co-requisites:

Basic Studies in Information Studies

Recommended or required reading:

Information on recommended reading may be obtained from the lecturer

Assessment methods and criteria:

Formal lecture examination

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

0–5

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No

694732S: Advanced Course in Statistical Analysis, 3 op**Voimassaolo:** 01.08.2005 -**Opiskelumuoto:** Advanced Studies**Laji:** Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

4th Spring

Learning outcomes:

By the end of the course, the student is able to explain the basics of statistical deduction and methods applicable for logopedic data. In addition, the student can critically judge studies where statistical methods are used. The student will be familiar with statistical data processing and analysis using SPSS analysis software.

Contents:

The basics of statistical deduction and methods, statistical data processing and analysis using SPSS analysis software.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and exercises

Target group:

Logopedics students

Prerequisites and co-requisites:

Successful completion of Introduction to Statistical Analysis course required.

Recommended optional programme components:

None

Recommended or required reading:

Lecture material. Information on reading materials can be obtained from the lecturer.

Assessment methods and criteria:

Written examination

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

Grading:

0-5

Person responsible:

Professor

Working life cooperation:

No

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

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:

6

Language of instruction:

Finnish

Timing:

Free

Contents:

Supplementary literature exam for students holding a degree from a University of Applied Sciences

Mode of delivery:

Self study

Learning activities and teaching methods:

Literature exam

Target group:

Students holding a degree from a University of Applied Sciences

Recommended or required reading:

To be agreed with the teacher responsible for the course

Assessment methods and criteria:

Literature exam

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

Grading:

Pass/fail

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No

694534S: History of Science, 3 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

Free

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 able to recognize the greatest revolutions in scientific thinking and 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:

The key developments in scientific thinking.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and literature

Target group:

Students of TIEMA and Information Studies

Prerequisites and co-requisites:

None

Assessment methods and criteria:

Examination

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

Grading:

0-5

Person responsible:

University Lecturer Maija Kallinen

Working life cooperation:

No

694627Y: 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:

4th or 5th year

Target group:

Students majoring in Information Studies

Assessment methods and criteria:

Personal discussion with the teacher tutor

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

Grading:

Pass/fail

Person responsible:

Teacher tutors of Information Studies

Working life cooperation:

No

694535S: Philosophy of Science and Scientific Argumentation, 3 op

Voimassaolo: 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

Free

Learning outcomes:

Upon completing the course, the student will be able to address the most important theories and schools in the philosophy of science and apply his/her knowledge to the analysis of scientific discussion.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and literature

Target group:

Students of TIEMA and Information Studies

Prerequisites and co-requisites:

None

Assessment methods and criteria:

Examination

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

0-5

Person responsible:

University Lecturer Maija Kallinen

Working life cooperation:

No

694538S: Politics of Science, 3 op**Voimassaolo:** 01.08.2007 -**Opiskelumuoto:** Advanced Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Humanities**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

3

Language of instruction:

Finnish

Timing:

Free

Learning outcomes:

Upon completing the course, the student will be able to define in general terms how Finnish science and university policies have evolved over time and how the most important scientific institutions and the university system have developed, both structurally and administratively. He/she will be able to interpret various programmes on science and university policies and evaluate related social background factors.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and literature

Target group:

Students of TIEMA and Information Studies

Prerequisites and co-requisites:

None

Assessment methods and criteria:

Examination

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

0-5

Person responsible:

University Lecturer Maija Kallinen

Working life cooperation:

No

694536S: Sociology of Science, 3 op**Voimassaolo:** 01.08.2007 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opettajat: Kallinen, Maija Sinikka

Opintokohteen kielet: Finnish

ECTS Credits:

3

Language of instruction:

Finnish

Timing:

Free

Learning outcomes:

Upon completion of the course, the student will be able to recognize and analyze various manifestations of the interaction between science and society along with related sociological factors. He/she will also be able to describe the key elements of the most important approaches in the sociology of science.

Mode of delivery:

Self study

Learning activities and teaching methods:

Lectures and literature

Target group:

Students of TIEMA and Information Studies

Prerequisites and co-requisites:

-

Recommended or required reading:

Tiede tutkimuskohteena: filosofinen johdatus tieteen tutkimukseen / Mika Kiikeri ja Petri Ylikoski.
Helsinki : Gaudeamus, 2004

Assessment methods and criteria:

Book examination

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

Grading:

0-5

Person responsible:

University Lecturer Maija Kallinen

Working life cooperation:

No

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

Language of instruction:

Finnish or English

Timing:

Advanced Studies in Information Studies

Learning outcomes:

Upon completion of the course, students will be able to write a thesis and participate in related scholarly discussion, in accordance with the principles of scientific writing and research ethics.

Mode of delivery:

Self study

Learning activities and teaching methods:

Writing a thesis on selected topic

Target group:

Subsidiary subject students of Information Studies

Prerequisites and co-requisites:

Successful completion of Basic and Intermediate Studies in Information Studies required

Assessment methods and criteria:

Writing a thesis on selected topic

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

Grading:

0-5

Person responsible:

Professor, University Lecturers

Working life cooperation:

No

694598A: Tutoring on the Web, 5 op

Voimassaolo: 01.08.2009 - 31.07.2013

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Humanities

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

5

Language of instruction:

Finnish

Timing:

The course is provided by the University Network of Communication Sciences, according to its schedule.

Learning outcomes:

Upon completion of the course, students will become acquainted with special features of web communication, web pedagogics and tutoring.

Mode of delivery:

Web-based teaching

Learning activities and teaching methods:

Web-based learning

Target group:

Students of Information Studies

Recommended or required reading:

Web-based learning material

Assessment methods and criteria:

Web-based learning

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

Grading:

Pass/fail

Person responsible:

University Lecturer Terttu Kortelainen

Working life cooperation:

No