

# Opasraportti

## LTK - Health Management Science (2010 - 2011)

DEGREE PROGRAMME IN HEALTH ADMINISTRATION SCIENCE

DEPARTMENT OF NURSING SCIENCE AND HEALTH ADMINISTRATION

By virtue of the new statute on health science degrees issued 794/2004 the Bachelor's (180 credits) and Master's degrees (120 credits) in health science are available.

The major subjects in the Department of Nursing Science and Health Administration are

1. nursing science
2. health administration science
3. radiography
4. clinical laboratory science
5. The study programme for health science teachers

The minor subject alternatives are nursing science, clinical nursing science, health administration science, radiography, and clinical laboratory science.

Information on degree programme of health administration science

### 1. General descriptions

Qualification awarded: Bachelor of Health Sciences, Master of Health Sciences

Admission requirements: Prerequisite to study at department of Nursing and health administration is health care degree, polytechnic degree or secondary school graduate

Educational and professional goals

The goals for the lower academic degree (Bachelor of Health Sciences):

The education must give to the student:

- 1) The basic knowledge of the field of Health Sciences and the capacity to follow the development of the field
- 2) Capability for scientific thinking and scientific working methods
- 3) Qualifications for higher academic degree and continuous learning
- 4) Personal capacity for using the knowledge in work
- 5) Sufficient communication and language skills

The goals for the higher academic degree ( Master of Health Sciences )

The education must give to the student:

- 1) Good knowledge of the overall of the major studies and basics of the minor studies
- 2) Capability of applying scientific information and methods
- 3) Capability to act as a professional and developer of one's own subject
- 4) Capability for scientific post-graduate education
- 5) Good communication and language skills

The goal of the degree programme of health administration science is to educate experts for research, planning and management in health care. The graduate students majoring the health care science can place themselves on public, private and third sector e.g. social- and health manager, public service unit manager, charge nurse, department head, project manager, development manager, enterpriser, teacher, planner, coordinator and researcher. The students can choose minor subjects to suit their career orientation.

Course structure diagram with ECTS credits (60 per year): The Bachelor's degree consists of general studies

(orientation and language studies, 52 credits), basic studies (25 cr) and intermediate studies (30 cr) in health administration science, studies in minor subject(s) and optional studies (63 cr), and a Bachelor's thesis (10 cr). General studies are same in each programme/major subject. The Master's degree consists of advanced studies in health administration science (38 cr), studies in minor subject(s) and optional studies (60 cr), and a pro gradu thesis (30 cr). Some studies on Bachelor's level (parts of general studies, basic studies, and optional studies) are compensated for by previous studies, so that the Bachelor's degree can be completed in 1,5-2 years (full-time study).

The students enrolled in the degree programme of health administration science, may choose any of the minor subjects available.

Bachelor's degree (180 ECTS credits) consists of:

General studies  
Basic- and subject studies of major subject  
Minor studies  
Optional studies

Master's degree (120 ECTS credits) consists of:

Advanced studies of major subject  
Minor studies  
Optional studies

#### General Studies

Orientation courses 40 credits  
350001Y Study planning and tutorial 2.0  
350003Y Philosophical foundations for scientific research 6.0  
350005Y Statistic 6.0  
350007Y Applied statistics and ADP 5.0  
350008Y Academic learning skills 3.0

Language and communication studies 12 credits

900007Y Elements of written communication \*\* 1) 2.0  
900008Y Elements of oral communication\*\* 2.0  
901007Y Swedish 1) 3.0  
902008Y Foreign language, English\*\* 1) 3.0  
350006Y Informatics in health sciences 2.0  
1) Language centre handles the courses which are compensated by Polytechnic degree

If the student have accomplished earlier social service or health care degree (post-secondary or polytechnic) 18.0\* credits of below courses will be compensated

360001Y Psychology\* 6.0  
360002Y Sociology\* 6.0  
360003Y Public health science \* 6.0

Course structure in the basic, intermediate and advanced studies in in health administration science are as follows:  
Basic studies in Nursing science (Bachelor's degree), 25 credits:

351008P Research methods \*\* 1) 2.0  
tai  
351132P Health care administration at the present 2.0  
351137P Health administration science I 7.0

351138P Legal aspects of health care 4.0  
 351145P Evaluation and development of the health care 6.0  
 351140P Health care projects 6.0

Intermediate studies in nursing science (Bachelor's degree) 40 credits

352107A Research methods I 2) 4.0

tai

352134A The theory and practice of health administration 6.0

352147A A multiprofessional management in health care 8.0

352214A Administrative law and public employment and labour law 8.0

352215A Health administration science II 8.0

352114A Bachelor's thesis and written maturity test 10.0

Advanced studies and pro gradu thesis in nursing science (Master's degree) 68 credits

353407S Advanced studies in health administration 10.0

353208S Training in administration 10.0

353203S Research methods II 10.0

353204S Research seminars 8.0

353206S Pro gradu thesis 30.0

353205S Written maturity test 0.0

1) If the student accomplish in minor the nursing science and there the research methods -course, student has to take the course Health care administration at the present 2.0.

2) If the student accomplish in minor the nursing science and there the research methods I, student has to take the course The theory and practice of health administration 4.0.

Minor and optional subjects are at some other branch of science in University of Oulu or other universities completed basic, intermediate or advanced studies. To the bachelor's degree the student must complete at least 63 credits minor and optional studies. To the Master's degree the student must complete at least 52 credits minor and optional studies. To the both degrees it is recommend that there is a one 25 credits (minimum) study module. If the student has an earlier polytechnic degree from the health or social care, 30 credits of optional studies will be compensated to his/hers Bachelor's degree.

Optional studies

352222A Gerontological nursing science, aging as a resource in community 8.0

353113S The effective patient education in nursing and nursing science 5.0

352228A Elective special research course 1.0 - 5.0

General studies per semesters:

The following general studies are included in each degree program:

Semester 1.

350001Y Study planning and tutorial 1.0

350003Y Philosophical foundations for scientific research 6.0

350005Y Statistics 3.0

900007Y Elements of written communication 2.0

350006Y Informatics in health science 2.0

350008Y Academic learning skills 3.0

Semester 2.

350001Y Study planning and tutorial 0,5

350006Y Statistics 3.0

902008Y English or some other foreign language 3.0

350007Y Applied statistics and ADP 5.0

Semester 3.

350001Y Study planning and tutorial 0,5

900008Y Elements of oral communication 2.0

901007Y Swedish 3.0

Health administration studies per semesters

Semester 1.

351137P Health administration science 7.0

351132P Health care administration at the present 2.0

Semester 2.

351138P Legal aspects of health care 4.0

352107A Research methods I 4.0

352134A The theory and practice of health administration 6.0

352215A Health administration science II 5.0

351140P Health care projects 6.0

Semester 3.

352114A Bachelor's thesis and written maturity test 10.0

352215A Health administration science II 5.0

Semester 4.

351145P Evaluation and development of health care work unit 6.0

352214A Administrative law and public employment and labour law 8.0

352147A A multiprofessional management in health care 8.0

353203S Research methods II 10.0

Semester 5.

353204S Research seminars 4.0

353206S Pro gradu thesis 10.0

353407S Advanced studies in health administration 5.0

Semester 6.

353204S Research seminars 4.0

353206S Pro gradu thesis 10.0

353407S Advanced studies in health administration 5.0

Semester 7.

353208S Training in administration 10.0

353206S Pro gradu thesis 10.0

353205S Written maturity test

## Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

353407S-05: , 2 op

353407S-04: , 2 op

353407S-03: , 4 op

352147A: A multiprofessional management in health care, 8 op

352214A: Administrative law and public employment and labour law, 8 op

353407S: Advanced studies in health administration science, 10 op

353407S-02: Advanced studies in health administration science Literature, 4 op

353407S-01: Advanced studies in health administration science Seminar, 2 op

352114A: Bachelor Thesis and Written Maturity Test, 6 op

900008Y: Basics of Oral Communication, 3 op

900007Y: Basics of Written Communication, 2 op

352228A: Elective special research course, 3 - 10 op

902008Y: English, 3 op

351145P: Evaluation and development of the health care work unit, 6 op

351137P-01: Health administration I, part 1, 3,5 op

351137P-02: Health administration I, part 2 (Introduction to health administration), 3,5 op  
 352215A-01: Health administration II, part 1, 3 op  
 352215A-02: Health administration II, part 2, 5 op  
 351137P: Health administration science I, 7 op  
 352215A: Health administration science II, 8 op  
 351132P: Health care administration at the present time, 2 op  
 351140P: Health care projects, 6 op  
 350006Y: Informatics of health sciences, 4 op  
 350008Y: Introduction to academic studies, 3 op  
 351138P: Legal aspects of health care, 4 op  
 353206S: Master's thesis and thesis seminars, 30 op  
 350003Y: Philosophical foundations for scientific research, 5 op  
 360001Y: Psychology, 6 op  
 360003Y: Public health science, 6 op  
 351008P: Research methods (basic), 2 op  
 352107A: Research methods I, 6 op  
 353203S: Research methods II, 10 op  
 353204S: Research seminars, 5 - 8 op  
 901007Y: Second Official Language (Swedish), 3 op  
 360002Y: Sociology, 6 op  
 350007Y: Statistical computing, 5 op  
 350005Y: Statistics, 6 op  
 350001Y: Study planning and tutorial, 1 - 3 op  
 352134A: The theory and practice of health administration, 6 op  
 352146A: Training in administration, 6 op  
 353208S: Training in administration, 5 op  
 353205S: Written maturity test, 0 op

## Opintojaksojen kuvaukset

### Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

#### **353407S-05: , 2 op**

**Voimassaolo:** - 31.07.2008

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

#### **353407S-04: , 2 op**

**Voimassaolo:** - 31.07.2008

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

### **353407S-03: , 4 op**

**Voimassaolo:** - 31.07.2008

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

### **352147A: A multiprofessional management in health care, 8 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen oppimateriaali:**

**Juuti, Pauli** , , 2002

**Vahtera, J** , , 2002

**Nikkilä, J**,

**Simoila, R** , , 1999

**Kauhanen, Juhani** , , 2006

**Narinen, A**,

-, , 2003

**Juuti, Pauli** , , 2001

**Heiskanen, Erika** , , 2007

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352147A A multiprofessional management in health care (OPEN UNI) 8.0 op

**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**Timing:**

2nd year spring term

**Learning outcomes:**

Student knows the basic concepts and their theoretical foundation in health management science particularly at the viewpoint of multi-professional management.

**Contents:**

Theories and basic concepts in health management.

**Learning activities and teaching methods:**

Lectures 18 h, seminars 10 h, independent studying.

**Recommended or required reading:**

Virtanen P. & Stenvall J. 2010 Julkinen johtaminen. Tietosanoma.

Kauhanen J. 2003 Henkilöstövoimavarojen johtaminen. WSOY. Helsinki.

**Assessment methods and criteria:**

Participating seminars, essay as a team work and individual essay.

**Grading:**

1-5/failed

**Person responsible:**

Professor, lecturer and assistant in Health management science.

**352214A: Administrative law and public employment and labour law, 8 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Mirva Lohiniva-Kerkelä

**Opintokohteen oppimateriaali:**

**Kulla, Heikki** , , 2003

**Bruun, Niklas** , , 1995

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352214A Administrative law and public employment and labour law (OPEN UNI) 8.0 op

**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**Timing:**

2nd year spring term

**Learning outcomes:**

Student gets general idea of public sector organization, its function and operational principles. Student is aware of legal relations between government officials and citizens and assumes basic concepts of administrative law needed in processing administrative matters. Student knows administrative decision making and legal settings of administrative actions

Student knows basics of official- and labour law, gets general idea of conflicts regulation and settlementing concerning service and collective bargaining contract. Student is also aware of solutions to conflicts concerning employment and contract of employment.

**Contents:**

Part I: Basic concepts of administrative law, basics of good governance, processing administrative matters and decision making, legal effects of administrative actions, qualifications and invalidity and enforcement and forces, citizens legal protection in administration.

Part II: Basics of official- and labour law, conflicts regulation and settlementing concerning service and collective bargaining contract. Solutions to conflicts concerning employment and contract of employment.

**Learning activities and teaching methods:**

Lectures 30 hours

**Recommended or required reading:**

Part I:

Kulla, H.: Hallintomenettelyn perusteet. Talentum, Helsinki 2003.

Säädökset niihin myöhemmin tehtyine muutoksineen:

Perustuslaki, 2 luku, hallintolaki (6.6.2003/434)

Laki viranomaisten toiminnan julkisuudesta (21.5.1999/621)

Kuntalaki (17.3.1995/365)

Hallintolainkäyttölaki (26.7.1996/586).

Part II:

Bruun, N., Mäenpää, O. & Tuori, K.: Virkamiesten oikeusasema. Otava, Helsinki 1995.

Regulations according to separate list.

**Assessment methods and criteria:**

Exam

**Grading:**

1-5/failed

**Person responsible:**

Lecturers

**353407S: Advanced studies in health administration science, 10 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen oppimateriaali:**

**Övretveit, John** , , 2000

**Taskinen, Helena (2)** , , 2005

**WHO** , , 1996

**Vedung, Evert** , , 1997

**Walt, Gill** , , 1996

**Phillips, Ceri** , , 1994

**Fetterman, D.M.** , , 1996

**Hintsala, A.**

**Lammintakanen, Johanna** , , 2005

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

10 ECTS

**Language of instruction:**

Finnish

**Timing:**

3th year spring term

**Learning outcomes:**

Student knows profoundly the nature and main theoretical questions in health management science and is competent to apply this knowledge in practice.

**Contents:**

Health management science as a science. Health management science as a academic subject. Knowledge of Health management science in health care practices, education and management.

**Learning activities and teaching methods:**

Seminars 24 hours

**Recommended optional programme components:**

Necessary preceding studies

352114A Candidate thesis and written maturity exam

**Recommended or required reading:**

Examine two books of following at the same time. One of these must be in English. Student has also to exam two books that are related to her/his own pro gradu thesis. Professor of Health management science has to agree these books.

Citizens' Choice and Patients' Rights. European Health Care Reforms. WHO, Copenhagen 1996.

European Health Care Reforms. Analysis of Current Strategies. WHO, Copenhagen 1996.

Pfeffer, J.: New Directions for Organization Theory. Oxford University Press 1997.

Vedung, E.: Public Policy and Program Evaluation. Transaction Publishers, New Jersey 2000.

Walt, G.: Health Policy: an Introduction to Process and Power. Zed Books, London 1996.

Pollitt, C.: Managerialism and the Public Services: cuts or cultural change in the 1990s? Second Edition.

Blackwell, Oxford 1994.

Phillips, C.: Evaluating Health and Social Care. Macmillan, Basingstoke 1994.

Fetterman, D.M., Kaftarian, S.J. & Wandersman, A. (toim.): Empowerment Evaluation: knowledge and tools for self-assessment and accountability. SAGE, Thousand Oaks 1996.

Ovretveit, J.: Evaluating health interventions. An introduction to evaluation of health treatments, services, policies and organizational interventions. Open University Press, Buckingham 1998.

Hintsala, A.: Autonomia ammatista poistumisen ennakoijana hoitotyössä: nais- ja mieshoitajien arviointia ja vertailua päätöksenteosta, pätevydestä, työn tärkeydestä ja johtamisesta hoitotyössä. Väitöskirja, Kuopion yliopisto 2005.

Lammintakanen, J.: Health care prioritisation: evolution of the concept, research and policy process. Väitöskirja, Kuopion yliopisto 2005.

Taskinen, H.: Oikeudenmukaisuus ja kulttuurien kohtaaminen sosiaali- ja terveysalojen organisaatioiden yhdistämisessä. Väitöskirja, Kuopion yliopisto 2005.

Torppa K. 2007 Managerialismi suomalaisen julkisen erikoissairaanhoidon johtamisessa.

Tutkimus yksityissektorin johtamisoppien soveltamisesta neljässä yliopistollisessa sairaanhoitopiirissä ja arvio managerialismin soveltuvuudesta julkisen erikoissairaanhoidon uudistamiseen. Väitöskirja. Oulun yliopisto.



**Assessment methods and criteria:**

Participating in seminars, writing an essay, presentation and opponening (2 ECTS credits). Exam (8 ECTS credits).

**Grading:**

1-5/failed

**Person responsible:**

Professor of Health management science

**353407S-02: Advanced studies in health administration science Literature, 4 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

Ei opintojaksokuvauksia.

**353407S-01: Advanced studies in health administration science Seminar, 2 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

**352114A: Bachelor Thesis and Written Maturity Test, 6 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352114A Bachelor Thesis 6.0 op

**ECTS Credits:**

10 ECTS

**Language of instruction:**

Finnish

**Timing:**

2nd year autumn term

**Learning outcomes:**

The student gets familiar with scientific writing and principles of scientific research. With this knowledge she/he can do written scientific research based on research literature or empirical data. The student is able to present the research.

**Learning activities and teaching methods:**

Individual studying.

**Recommended optional programme components:**

Elementary course in research, Research methods in nursing science I.

**Recommended or required reading:**

Literature connected to research proposal.

**Assessment methods and criteria:**

Presentation of own report. Written maturity test.

**Grading:**

Pass / Fail

**Person responsible:**

Doctoral candidate

**900008Y: Basics of Oral Communication, 3 op**

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Language Centre

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay900008Y Basics of Oral Communication (OPEN UNI) 3.0 op

Ei opintojaksokuvauksia.

**900007Y: Basics of Written Communication, 2 op**

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Language Centre

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

**Opettajat:** Outi Mikkola

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay900007Y Basics of Written Communication (OPEN UNI) 2.0 op

Ei opintojaksokuvauksia.

**352228A: Elective special research course, 3 - 10 op**

**Voimassaolo:** 01.08.2010 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

1-5 credits

**Language of instruction:**

Finnish or English

**Timing:**

According to a personal study plan.

**Learning outcomes:**

Student has got acquainted with phases of research process and doing research according to a personal study plan.

**Contents:**

According to a personal study plan.

**Learning activities and teaching methods:**

Student plans an individual learning task with the responsible teacher.

**Assessment methods and criteria:**

According to a personal study plan.

**Grading:**

pass-fail

**Person responsible:**

Responsible person of the research project.

**Other information:**

The course suits for bachelor's and master's degree studies as elective studies.

**902008Y: English, 3 op**

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Language Centre

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

**Opintokohteen kielet:** English

**Leikkaavuudet:**

ay902008Y Academic English (OPEN UNI) 3.0 op

**ECTS Credits:**

3 credits

**Person responsible:**

Riitta Sallinen

**Other information:**

See description of part 1 ( [902008Y-01](#)) and part 2 ( [902008Y-02](#)).

**351145P: Evaluation and development of the health care work unit, 6 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen oppimateriaali:**

Juuti, Pauli , , 2002

Vahtera, J, , 2002

Virtanen, Petri , , 2007

Viitala, Riitta , , 2004

Ruohotie, Pekka , , 1999

Järvinen, Pekka , , 1998

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351145P Evaluation and development of the health care work unit (OPEN UNI) 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Timing:**

2nd year spring term

**Learning outcomes:**

Student is aware of the topical development needs of health care work community. Student also knows different kind of methods to evaluate and develop work community so that she/he is competent to formulate a development plan for a work community.

**Contents:**

Concepts and barometers to evaluate and develop health care work community.

**Grading:**

1-5/ failed

**Person responsible:**

Professor and assistant of Health management science

**351137P-01: Health administration I, part 1, 3,5 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Nikkilä Juhani

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351137P-01 Health administration I, part 1 (OPEN UNI) 3.5 op

Ei opintojaksokuvauksia.

**351137P-02: Health administration I, part 2 (Introduction to health administration), 3,5 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Nikkilä Juhani

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351137P-02 Health administration I, part 2 (Introduction to health administration) (OPEN UNI) 3.5 op

Ei opintojaksokuvauksia.

**352215A-01: Health administration II, part 1, 3 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Nikkilä Juhani

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352215A-01 Health administration II, part 1 (OPEN UNI) 3.0 op

Ei opintojaksokuvauksia.

**352215A-02: Health administration II, part 2, 5 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Institute of Health Sciences

**Arvostelu:** 0,0 - 99,9

**Opettajat:** Nikkilä Juhani

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352215A-02 Health administration II, part 2 (OPEN UNI) 5.0 op

Ei opintojaksokuvauksia.

### **351137P: Health administration science I, 7 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen oppimateriaali:**

**Sundman, E** , 2000

**Ryynänen, O-P** , 1999

**Lumijärvi, Ismo** , , 1999

**Salminen, Ari (1)** , , 1993

**Kirjavainen, Paula** , , 2000

**Vuori, J** , 2005

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351137P Health administration science I (OPEN UNI) 7.0 op

**ECTS Credits:**

7 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year autumn term

**Learning outcomes:**

Student knows the research area of Health management science, focal concepts and perspectives of it and both health care and its administrations historical development. Student knows also the approaches, perspectives and focal theories of Health management science.

**Contents:**

Health management science as a research area and as a subject. Focal concepts and perspectives of Health management science. History of health care and its administration. Political and administrative system of health care. Municipal administration controlling health care. Structure and processes of health care organizations. Approaches of Health management science. Focal concepts, theories and perspectives of Health management studies. Nature of health management science phenomena and their meaning as bases of scientific research.

**Learning activities and teaching methods:**

Part I: lectures 18 h and exam

Part II: lectures 18 h and exam

**Recommended or required reading:**

Part I:

Vuori J. (toim.) 2005 Terveys ja johtaminen.

Ryynänen O-P. et al. 2006 Priorisointi terveydenhuollossa: mitä maksaa, kuka maksaa. Helsinki. Talentum.

Part II:

Harisalo R. 2008 Organisaatioteoriat. Tampereen yliopistopaino Oy. Tampere.

Salminen A. 2008 Julkisen toiminnan johtaminen: hallintotieteen perusteet. Helsinki. Edita. 2. painos.

Kivinen T. 2008 Tiedon ja osaamisen johtaminen terveydenhuollon organisaatioissa. Väitöskirja. Kuopion yliopisto.

**Assessment methods and criteria:**

exam

**Grading:**

1-5/failed

**Person responsible:**

Professor of Health management science

**352215A: Health administration science II, 8 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen oppimateriaali:**

**Nouko-Juvonen, S.** , 2000

**Heikkilä, Matti (3)** , , 2005

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352215A Health administration science II (OPEN UNI) 8.0 op

**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year spring term - 2nd year autumn term

**Learning outcomes:**

Part I: Student knows the main issues in both national and international health policy. Student also knows the theoretical foundation of decision-making in health care.

Part II: Lo. 352315A Health care today

**Contents:**

Part I: Guidelines and progress of national and international health policy. Significance and potentials of health care planning. Structure of public services, scaling and prioritization, follow-up systems. Basic concepts in social policy. Tradition of Finnish social policy, basic values and objectives in social policy.

Part II: Lo. 352315A Health care today

**Learning activities and teaching methods:**

Part I: Lectures 2 h.

Part II: Lo. 352315A Health care today

**Recommended or required reading:**

Part I:

Part II: Lo. 352315A Health care today

**Assessment methods and criteria:**

Part I:

Part II: Lo. 352315A Health care today

**Grading:**

Part I: 1 - 5 / fail

Part II: Lo. 352315A Health care today

**Person responsible:**

Professor of Health management science

**351132P: Health care administration at the present time, 2 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year autumn term

**Learning outcomes:**

Student identifies topical issues in the research of health management science from the viewpoint of well-being at work.

**Contents:**

Topical research and development concerning health management science.

**Learning activities and teaching methods:**

Independent studying and exam

**Target group:**

To those students who have passed Research course in context of studies in Nursing science

**Recommended or required reading:**

Paasivaara L. & Nikkilä J. 2010 Yhteisöllisyydestä työhyvinvointia. Kirjapaja, Helsinki.

Stenvall J. & Virtanen P. 2007 Muutosta johtamassa. Edita

Utriainen K. 2009 Arvostava vastavuoroisuus ikääntyvien sairaanhoitajien työhyvinvoinnin ytimenä hoitotyössä. Väitöskirja.

**Assessment methods and criteria:**

exam

**Grading:**

1-5/failed

**Person responsible:**

Assistant of Health management science

**351140P: Health care projects, 6 op**

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Marjo Suhonen

**Opintokohteen oppimateriaali:**

Øvretveit, John , , 1995

Jalava, Urpo , , 2000

Vartiainen, P , , 2001

Pelin, Risto , , 2004

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year spring term

**Learning outcomes:**

Student knows theory and practical details of co-operation in health care and also knows concepts of projects, teams and networks so that she/he is competent to formulate a project plan.

**Contents:**

Co-operation in health care particularly from the viewpoint of projects, teams and networks.

**Learning activities and teaching methods:**

Lectures 4 h, seminars 14 h, independent studying

**Recommended or required reading:**

Paasivaara L., Suhonen M. & Nikkilä J. 2008 Innostavat projektit. Silverprint. Sipoo.  
 Jalava U. & Virtanen P. 2000 Innovatiiviseen projektijohtamiseen. Tammi, Helsinki.  
 Ruuska K. 2006 Terveysthuollon projektien hallinta: mallit, työkalut, ihmiset. Talentum, Helsinki  
 Other topical literature and articles.

**Assessment methods and criteria:**

Lectures, participation in seminars and an essay.

**Grading:**

1-5/failed

**Person responsible:**

Professor and lecturer of Health management science

### 350006Y: Informatics of health sciences, 4 op

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2 ECTS

**Language of instruction:**

Finnish

**Timing:**

First year autumn term

**Learning outcomes:**

The student is able to use electronic databases and information services in her/his studies at the University of Oulu.

**Contents:**

1. Use of workstations, 2. Data security, 3. Networks, 4. Information retrieval from internet, 5. Software applied in nursing studies, 5. Library services, 6. Electronic journals and 7. Medline, CINAHL, Medic and Web of Science databases.

**Learning activities and teaching methods:**

Lectures 6 hours, practise 15 hours and self-study.

**Recommended or required reading:**

List given during the course.

**Assessment methods and criteria:**

Written essay, participation in workgroups.

**Grading:**

Pass / failed

### 350008Y: Introduction to academic studies, 3 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year autumn term

**Learning outcomes:**



The student is able to assess himself as a student and a member of science community. He becomes conscious of the meaning of learning outcomes in planning his own studies. The student develops the readiness of writing and reading the academic writings. The student understands the ethical principles of students and teachers.

**Contents:**

Assessing own readiness of learning. The membership of faculty. Planning studies. Assessing reading and writing abilities. The ethical principles.

**Learning activities and teaching methods:**

Lectures, group working, web-based working and individual studying 80h.

**Recommended or required reading:**

Literature and articles, the Ethical Guidelines for Teachers and Students, University of Oulu.

**Assessment methods and criteria:**

Participating in lectures and accomplishing the tasks.

**Grading:**

Pass / Fail

## 351138P: Legal aspects of health care, 4 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Mirva Lohiniva-Kerkelä

**Opintokohteen oppimateriaali:**

Mikkola, , 2004

Lohiniva-Kerkelä, Mirva , , 2007

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351138P Legal aspects of health care (OPEN UNI) 4.0 op

**ECTS Credits:**

4 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year spring term

**Learning outcomes:**

Student knows the legislation that regulates production of health services. Student knows the judicial basics of status of health care professional and also the rights and obligations of professionals. Student also knows the patients' rights and understands their meaning from the viewpoint of health care professional's activities legal assessment and responsibility. Student identifies the means of legal protection that patient has.

**Contents:**

Production of health care services, obligations of health care professionals, control and responsibility, patient's status, rights and legal protection.

**Learning activities and teaching methods:**

Lectures 10 hours

**Recommended or required reading:**

1. Lohiniva-Kerkelä, M: Terveystenhuollon juridiikka. Talentum, Helsinki 2004 or 2007.

Mikkola - Mikkonen - Suhonen - Kallio: Potilasvahinko: Lain sisältö ja soveltamiskäytäntö. Suomen vakuutusalan koulutus ja kustannus, Helsinki 2004.

2. Seuraavat säädökset niihin myöhemmin tehtyine muutoksineen:

Laki terveydenhuollon ammattihenkilöistä (564/1994)

Laki potilaan asemasta ja oikeuksista (785/1992)

Potilasvahinkolaki (585/1986)

Kansanterveyslaki (66/1972)

Erikoissairaanhoidolaki (1062/1989)

Mielenterveyslaki (1116/1990)

Laki yksityisestä terveydenhuollosta (152/1990)

You can check the literature at [this link](#)

**Assessment methods and criteria:**

Exam

**Grading:**

1-5/ Fail

**Person responsible:**

Lecturer

**353206S: Master's thesis and thesis seminars, 30 op****Opiskelumuoto:** Advanced Studies**Laji:** Diploma thesis**Vastuuyksikkö:** Institute of Health Sciences**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

30 ECTS

**Timing:**

3rd year autumn term to 4th year autumn term

**Learning outcomes:**

The student is able to write the Master's thesis

**Learning activities and teaching methods:**

Individual study or pair work under supervision of 1-2 teachers. Thesis can be written also as a scientific article.

**Recommended optional programme components:**

Elementary courses in research, Bachelor's thesis, research methods in nursing science I and II, Research Seminars.

**Assessment methods and criteria:**

The student writes pro gradu thesis or corresponding work. If the student have not taken part to the written maturity test in context of the Bachelor's thesis, the written maturity have to be performed. Student will get guidance app. three times.

**Grading:**

1-5

**350003Y: Philosophical foundations for scientific research, 5 op****Opiskelumuoto:** General Studies**Laji:** Course**Vastuuyksikkö:** Institute of Health Sciences**Arvostelu:** 1 - 5, pass, fail**Opintokohteen oppimateriaali:****Haaparanta, Leila**, , 1986, pakollinen**Sajama, Seppo**, , 1993, pakollinen**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay350003Y Philosophical foundations for scientific research (OPEN UNI) 5.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year autumn

**Learning outcomes:**

Upon completion the student know the most important traditions of philosophy, and their background, knows the philosophical principle of theory development in order to understand scientific methodological studies later.

**Contents:**

Philosophical foundations of science. Introduction to modern philosophical movements. Scientific concepts and theories. Goals and values of science.

**Learning activities and teaching methods:**

Lectures, 20 hour and two books.

**Recommended or required reading:**

Lectures and two books of following:

- Sajama, Seppo. 1993. *Arkipäivän filosofiaa*. Hygieia, Helsinki. and one of following
- Salonen T. 2004. *Tieteenfilosofia*. Lapin yliopisto, Rovaniemi.
- Raatikainen 2004. *Ihmistieteet ja filosofia*. Gaudeamus, Helsinki.
- Haaparanta L. & Niiniluoto I. 1998. *Johdatus tieteelliseen ajatteluun*. Hakapaino Oy, Helsinki

You can check the literature availability at [this link](#)

**Assessment methods and criteria:**

Examination of lectures and literature.

**Grading:**

Pass / Fail

**Person responsible:**

Lecturer

**360001Y: Psychology, 6 op**

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

6 ECTS

**Other information:**

The course will be compensated by the students earlier degree.

**360003Y: Public health science, 6 op**

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

6 ECTS

**Other information:**

The course will be compensated by the students earlier degree.

**351008P: Research methods (basic), 2 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen oppimateriaali:**

**Paunonen, M. & Vehviläinen-Julkunen, K**, , 1997, pakollinen

**Hirsjärvi, Sirkka**, , 2007, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351008P Research methods (basic) (OPEN UNI) 2.0 op

**ECTS Credits:**

2 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

The student gets familiar with aims and principles of scientific research and she/he knows the phases of research process.

**Contents:**

Methodological foundations for scientific research.

**Learning activities and teaching methods:**

Independent studying

**Recommended optional programme components:**

If the student has studied this course in another context, e.g. health administration science, student has to study course 351303P Nursing Science Today 2 ECTS.

**Recommended or required reading:**

Hirsjärvi, S., Remes, P. & Sajavaara, P. 2009. Tutki ja kirjoita. 15th edition. Tammi, Helsinki.

Paunonen, M., & Vehviläinen-Julkunen, K. 1997. (edit.) Hoitotieteen tutkimusmetodiikka. WSOY, juva.

You can check the literature availability at [this link](#)

**Assessment methods and criteria:**

Exam

**Grading:**

5-1/ fail

**Other information:**

The course is substituted to those students who have accomplished the university of applied sciences.

**352107A: Research methods I, 6 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen oppimateriaali:**

Polit, Denise F. , , 2004, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352107A    Research methods I (OPEN UNI)    6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year spring term

**Learning outcomes:**

The student gets familiar with methodological issues and the process of scientific research.

*Upon completion the student should be able to:*

- formulate a research problem and research purpose and design a research
- review and evaluate scientific literature
- design qualitative and quantitative research methods
- know main questions of reliability and validity
- take care of ethical considerations
- know how to write a research proposal

**Contents:**

The overview of research process, literature reviews, data collection, analysis of research data, reliability, addressing ethical issues, writing a research proposal.

**Learning activities and teaching methods:**

Lectures and practice 30 hours, independent studying and exam 130 hours.

**Recommended optional programme components:**

Research methods (basic).

If the student has studied Research methods I in another context, e.g. Health administration science, Student has to study course 352224A Nursing Science - Health Care System.

**Recommended or required reading:**

Polit DF & Beck CT. 2008. Nursing Research. Generating and assessing evidence for nursing practice. Lippincott Williams & Wilkins, Philadelphia.

Topical scientific articles.

You can check the availability of literature at [this link](#)

**Assessment methods and criteria:**

Participation in exercises, working groups and exam.

**Grading:**

1-5/fail

**Person responsible:**

Senior lecturers

**Other information:**

No substitution by earlier studies

## 353203S: Research methods II, 10 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Tarja Pölkki

**Opintokohteen oppimateriaali:**

Polit, Denise F. , , 2004, pakollinen

Paunonen, M. & Vehviläinen-Julkunen, K. , , 1997, pakollinen

Morse, Janice M. , , 1995, pakollinen

Janhonen, S & Nikkonen, M , , 2003, pakollinen

Karma, Kai , , 1990, pakollinen

Perttula J. & Latomaa T. , , 2005, pakollinen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

10 ECTS

**Language of instruction:**

Finnish

**Timing:**

2nd year spring term

**Learning outcomes:**

Upon completion the student should be able to:

- know in depth the features and methodological issues in quantitative and qualitative research
- know types/designs for nursing research and apply them in own research
- have a good command of the research process as a whole
- assess questions of reliability and validity and apply them in planning and implementing own research
- being aware of main questions of the ethical issues
- write a research proposal and research report

**Contents:**

Methodological issues in quantitative and qualitative research, types/designs for nursing research, phases of research process, reliability and validity assessment, ethical issues. Writing a research proposal and research report.

**Learning activities and teaching methods:**

Lectures and practice 50 hours, group-working 30 hours, independent studying and written essays 190 hours.

**Recommended optional programme components:**

Research methods (basic), research methods I, candidate thesis. No substitution by earlier studies.

**Recommended or required reading:**

Polit DF & Beck CT. 2008. Nursing Research. Generating and assessing evidence for nursing practice. Lippincott Williams & Wilkins, Philadelphia (in applied parts).

Janhonen & Nikkonen (eds.) Laadulliset tutkimusmenetelmät hoitotieteessä. WSOY. Helsinki (in applied parts).  
Topical literature and scientific articles.

You can check the literature availability at [this link](#)

**Assessment methods and criteria:**

Participation in exercises, group-working, written essay/examination.

**Grading:**

5-1/fail

**Person responsible:**

Senior lectures in nursing science and health administration

### 353204S: Research seminars, 5 - 8 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**Timing:**

3rd year autumn and spring term

**Learning outcomes:**

Student can argue her/his research process. The student writes research proposal.

**Contents:**

The student participate on three public defence on doctoral thesis, she/he will write (1 page) rapport of each of them. Rapports are given to supervisor of the seminars. The student participates on two research seminars at department. Writing of research proposal.

**Learning activities and teaching methods:**

Lectures 30 hours.

**Recommended optional programme components:**

Finished courses: Candidate thesis, Research course and Research methods I and II.

**Recommended or required reading:**

Literature connected to research proposal.

**Assessment methods and criteria:**

Research proposal. Writing of three rapports of public defense. The participation of seminars.

**Grading:**

Pass / Fail

**Person responsible:**

Lecturer

### 901007Y: Second Official Language (Swedish), 3 op

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Language Centre

**Opintokohteen kielet:** Swedish

**Leikkaavuudet:**

ay901007Y Second Official Language (Swedish) (OPEN UNI) 3.0 op

Ei opintojaksokuvauksia.

### 360002Y: Sociology, 6 op

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

6 ECTS

**Other information:**

The course will be compensated by the students earlier degree.

### 350007Y: Statistical computing, 5 op

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Pentti Nieminen

**Opintokohteen oppimateriaali:**

Uhari, Matti , , 2001, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay350007Y Applied statistics and ADP (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year spring term

**Learning outcomes:**

The student can design data collection, she/he can enter the data to computer and can use statistical software to analyze the data. The student is able to report results and can critically read research articles

**Contents:**

Basic concepts. Methods of basic statistical analysis and inference. Statistical software and their use.

**Learning activities and teaching methods:**

Lectures 12 hours, group work 21 hours.

**Recommended or required reading:**

Uhari M & Nieminen P. 2001. Epidemiologia ja biostatiikka. Duodecim.

**Assessment methods and criteria:**

Exam, written report about data analysis and participation in workgroups.

**Grading:**

Pass / Failed

**Person responsible:**

Pentti Nieminen, Ph.D., Faculty of Medicine

### 350005Y: Statistics, 6 op

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Maria Laukkala

**Opintokohteen oppimateriaali:**

Heikkilä, Tarja , , 2004, pakollinen

Helenius, Hans , , 1989, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay350005Y Statistics (OPEN UNI) 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Timing:**

First year autumn term

**Learning outcomes:**

Upon completion student get to know quantitative research planning process to get numeric observational data.

Student is able to describe things which are examined by tables, figures and parameters.

Student knows the principles of distribution and test theory and knows how to use statistic reasoning methods and models in quantitative data.

**Contents:**

The basic concept of statistic. Sampling methods. Observation matrix and scale. one-dimensional distribution and its parameters. Two-dimensional distribution and its interdependence numbers. Random variable and its distribution. Discrete variable and continuous variable. Statistical reasoning. Estimating, significant testing.

**Learning activities and teaching methods:**

Lectures 40 hours. Individual and group work 50 hours.

**Recommended or required reading:**

Karjalainen, A. & Laukkala, H. Luentomoniste 2008. Tilastollisen tutkimuksen perusteista.

Heikkilä, T. 1998. Tilastollinen tutkinmus. Edita.

Helenius, H. 1989. Tilastollisten menetelmien perustiedot. Statcon Oy.

Läärä, E. & Lammi. 1989. Tilastotieteen perusteet lääketiedettä ja lähialoja varten. Luentomoniste. Kuopion yliopiston ylioppilaskunta.

You can check the literature availability at [this link](#)

**Grading:**

Pass / Fail

## 350001Y: Study planning and tutorial, 1 - 3 op

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year autumn term - 2nd year autumn term

**Learning outcomes:**

The student knows the structure and aims of health science education. The student will be able to plan his/her own studies.

**Contents:**

Introduction to university studies: the structure of the education, its aims and contents. Study methods, individual study plan and learning assessment.

**Learning activities and teaching methods:**

Information sessions, student tutoring, teacher tutoring, independent studying, and workshops.

**Recommended or required reading:**

Curriculum

**Assessment methods and criteria:**

Individual study plan and its continuous self assessment, participation in student tutoring, teacher tutoring and workshops. Individual study plan will be turned in to teacher tutor by the end of autumn term.



**Grading:**

Pass / fail

**Person responsible:**

Assistant and teacher tutors

**352134A: The theory and practice of health administration, 6 op****Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Institute of Health Sciences**Arvostelu:** 1 - 5, pass, fail**Opintokohteen oppimateriaali:****Mattila, M** , , 1999**Helander, Voitto** , , 1998**Metsämuuronen, Jari** , , 1998**Määttä, Seppo** , , 1999**Opintokohteen kielet:** Finnish**ECTS Credits:**

4 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year spring term

**Learning outcomes:**

Student knows the topical main issues of Health management science's theory and practice.

**Contents:**

The main issues of Health management science theory and practice.

**Learning activities and teaching methods:**

Independent studying and exam.

**Recommended optional programme components:**

This individual course is optional to those students who have passed Research methods I in the context of other studies.

**Assessment methods and criteria:**

Exam

**Grading:**

1-5/failed

**Person responsible:**

Professor of Health management science

**352146A: Training in administration, 6 op****Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Institute of Health Sciences**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay352146A Training in administration (OPEN UNI) 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Timing:**

2nd year spring term - 3rd year autumn term

**Learning outcomes:**

Student knows, within her/his own objectives, an ensemble of social- and healthcare in a limited area. Student is competent to apply information yield in health management science to management in social- and healthcare and /or research and development work in social- and healthcare.

**Contents:**

Student trains within her/his own individual plan in social- and healthcare, municipal administration or state administration or in units that implement research- and development work in social and healthcare.

**Learning activities and teaching methods:**

Individual training and report.

**Target group:**

Minor subject's students

**Recommended optional programme components:**

Basic studies performed in Health management science are required.

**Recommended or required reading:**

Topical books and articles

**Assessment methods and criteria:**

Training and report

**Grading:**

pass/failed

**Person responsible:**

Assistant in Health management science

**Other information:**

More detailed instructions from Assistant in Health management science

## 353208S: Training in administration, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

10 ECTS

**Language of instruction:**

Finnish

**Timing:**

4th year autumn term

**Learning outcomes:**

Student knows, within her/his own objectives, an ensemble of social- and healthcare in a limited area. Student is competent to apply information yield in health management science to management in social- and healthcare and /or research and development work in social- and healthcare.

**Contents:**

Student trains within her/his own individual plan in social- and healthcare, municipal administration or state administration or in units that implement research- and development work in social and healthcare.

**Learning activities and teaching methods:**

Individual training and report.

**Target group:**

Students who main subject is Health management science

**Recommended optional programme components:**

Basic studies performed in Health management science is requirement.

**Recommended or required reading:**

Topical books and articles

**Assessment methods and criteria:**

Training and report

**Grading:**

Pass /fail

**Person responsible:**

Assistant in Health management science

**Other information:**

More detailed instructions from Assistant in Health management science

**353205S: Written maturity test, 0 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

0 ECTS

**Language of instruction:**

MCH students: finnish / swedish / english

**Assessment methods and criteria:**

MCH students: written essay on the topif of master Thesis

**Grading:**

pass / fail

**Person responsible:**

MCH students: Responsible university; Oulu university. Responsible person; supervisor of master thesis