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
- 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 4.0
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 -jakso

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
Opintojaksojen kuvaukset

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

353407S-05: , 2 op

Voimassaolo: - 31.07.2008
Opiskelumuoto: Advanced Studies
Laji: Partial credit
Vastuuysikkö: 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
Vastuuysikkö: Institute of Health Sciences
Arvostelu: 1 - 5, pass, fail
353407S-03: , 4 op

Opiskelumuoto: Advanced Studies
Laji: Partial credit
Vastuuysikkö: 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
Vastuuysikkö: 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:

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
Vastuuysikkö: 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 settlement 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 settlement 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:

Sääädökset 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)

Part II:

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
Vastuuysikkö: Institute of Health Sciences
Arvostelu: 1 - 5, pass, fail

Opintojärjestelmä 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

Opintojärjestelmä 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.
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 opponenting (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
Vastuuysikkö: 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
Vastuuysikkö: 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
Vastuuysikkö: 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
Vastuuysikkö: Language Centre
Arvostelu: 1 - 5, pass, fail
Opintokohteen kiele: 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
Vastuuysikkö: Language Centre
Arvostelu: 1 - 5, pass, fail
Opettajat: Outi Mikkola
Opintokohteen kiele: 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
Vastuuysikkö: Institute of Health Sciences
Arvostelu: 1 - 5, pass, fail
Opintokohteen kiele: 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
Vastuuysikkö: 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
Vastuuysikkö: 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

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**351137P-01: Health administration I, part 1, 3.5 op**

**Voimassaolo:** 01.08.2005 -  
**Opiskelumuoto:** Basic Studies  
**Laji:** Partial credit  
**Vastuuysikkö:** Institute of Health Sciences  
**Arvostelu:** 1 - 5, pass, fail  
**Opettajat:** Nikkilä Juhani  
**Opintokohteen kielet:** Finnish  
**Leikkaavuudet:**  

ey351137P-01 Health administration I, part 1 (OPEN UNI) 3.5 op

Ei opintojaksokuvauksia.

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**351137P-02: Health administration I, part 2 (Introduction to health administration), 3.5 op**

**Voimassaolo:** 01.08.2005 -  
**Opiskelumuoto:** Basic Studies  
**Laji:** Partial credit  
**Vastuuysikkö:** Institute of Health Sciences  
**Arvostelu:** 1 - 5, pass, fail  
**Opettajat:** Nikkilä Juhani  
**Opintokohteen kielet:** Finnish  
**Leikkaavuudet:**  

ey351137P-02 Health administration I, part 2 (Introduction to health administration) (OPEN UNI) 3.5 op

Ei opintojaksokuvauksia.

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

**Voimassaolo:** 01.08.2005 -  
**Opiskelumuoto:** Intermediate Studies  
**Laji:** Partial credit  
**Vastuuysikkö:** Institute of Health Sciences  
**Arvostelu:** 1 - 5, pass, fail  
**Opettajat:** Nikkilä Juhani  
**Opintokohteen kielet:** Finnish  
**Leikkaavuudet:**  

ey352215A-01 Health administration II, part 1 (OPEN UNI) 3.0 op

Ei opintojaksokuvauksia.

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

**Voimassaolo:** 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: 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
Vastuuysikkö: 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 sciene 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:

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.
Part II:

Assessment methods and criteria:
352215A: Health administration science II, 8 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: 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
Vastuuysikkö: 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: Independed studying and exam  
Target group: To those students who have passed Research course in context of studies in Nursing science  
Stenvall J. & Virtanen P. 2007 Muutosta johtamassa. Edita  
Assessment methods and criteria: exam  
Grading: 1-5/failed  
Person responsible: Assistant of Health management science

351140P: Health care projects, 6 op  
Voimassaalo: 01.08.2005 -  
Opiskelumuoto: Basic Studies  
Laji: Course  
Vastuuysikkö: 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:
Ruuska K. 2006 Terveydenhuollon 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

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

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuysikkö:** 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:**

**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

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

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuysikkö:** 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:

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:

2. Seuraavat sääädökset niihin myöhemmin tehtyine muutoksineen:
Laki terveydenhuollon ammatitienkielistä (564/1994)
Laki potilaan asemasta ja oikeuksista (785/1992)
Potilasvahinkolaki (585/1986)
Kansanterveyslaki (66/1972)
Erikoissairaanhoitolaki (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
Vastuuysikkö: 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
Vastuuysikkö: 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:
Learning activities and teaching methods:
Lectures, 20 hour and two books.

Recommended or required reading:
Lectures and two books of following:
  and one of following
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 1., 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:

You can check the literature availability at this link

Assessment methods and criteria:
Exam
Grading: 5-1/ fail

Other information:
The course is substituted for those students who have accomplished the university of applied sciences.

352107A: Research methods I, 6 op

Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: 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:**
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

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**353203S: Research methods II, 10 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuysikkö:** Institute of Health Sciences

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

**Opettajat:** Tarja Pölkki

**Opintokohteen oppimateriaali:**
Polit, Denise F. , , 2004, 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 able to:

- know in deeply 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:**
353204S: Research seminars, 5 - 8 op

Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuysikkö: 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
Vastuuysikkö: 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
Vastuuysikkö: 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
Vastuuysikkö: 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:
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
Vastuuysikkö: Institute of Health Sciences
Arvostelu: 1 - 5, pass, fail
Opettajat: Maria Laukkala
Opintokohteen oppimateriaali:
Heikkilä, Tarja, 2004, pakollinen
**ECTS Credits:**
6 ECTS

**Language of instruction:**
Finnish

**Timing:**
First year autumn term

**Learning outcomes:**
Upon completion, students will be able to:
- Know quantitative research planning process to get numeric observational data.
- Describe things examined by tables, figures, and parameters.
- Know the principles of distribution and test theory and how to use statistic reasoning methods and models in quantitative data.

**Contents:**

**Learning activities and teaching methods:**
Lectures 40 hours. Individual and group work 50 hours.

**Recommended or required reading:**

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

**Grading:**
Pass / Fail

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

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuysikkö:** 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.
352134A: The theory and practice of health administration, 6 op

Opiskelumuoto: Intermediate Studies  
Laji: Course  
Vastuuysikkö: 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  
Vastuuysikkö: Institute of Health Sciences  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish  

ECTS Credits:  
6 ECTS  
Language of instruction:  
Finnish  
Timing:  
2nd year spring term - 3rd year autumn term  
Learning outcomes:  

Leikkaavuudet:  
ay352146A  Training in administration (OPEN UNI)  6.0 op
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/fail

**Person responsible:**
Assistant in Health management science

**Other information:**
More detailed instructions from Assistant in Health management science

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**353208S: Training in administration, 5 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteenn 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 topic of master Thesis  
**Grading:**  
pass / fail  
**Person responsible:**  
MCH students: Responsible university; Oulu university. Responsible person; supervisor of master thesis