

# Opasraportti

## LTK- Nursing Science (2010 - 2011)

### DEGREE PROGRAMME IN NURSING SCIENCE 2010-2011

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 subjects alternatives are nursing science, clinical nursing science, health administration science, radiography, and clinical laboratory 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 degree at health care or polytechnic degree (post-secondary/polytechnic level)

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

Students enrolled in the degree programme of nursing science major in nursing science and may choose any of the minor subjects available. The goal of the degree programme of nursing science is to educate experts for planning, development, instruction and management in social work and health care.

The aims are: 1. To be able to carry out duties that require expertise in nursing science 2. To be able to follow developments in his/her field and to use new information 3. To be able to develop nursing, nursing administration or nursing education on the basis of the research 4. To be able to carry out scientific postgraduate studies in nursing

Access to further studies: After completing the Master's degree, the student is eligible for applying for postgradual education (licentiate degree, doctoral degree).

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 (38 cr) in nursing science, studies in minor subject(s) and optional studies (55 cr), and a candidate thesis (10 cr). General studies are same in each programme/major subject. The Master's degree consists of advanced studies in nursing science (30 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).

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 center 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\* credit point 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 nursing science are as follows:

Basic studies in Nursing science (Bachelor's degree), 25 credits:

351008P Research methods (basic) 2.0

or

351303P Nursing Science Today 2.0

51101P Introduction to nursing science 5.0

3520021P Theoretical and methodological basis in nursing \* 18.0

Intermediate studies in nursing science (Bachelor's degree) 48 credits

352105A Health Care Today 5.0

352107A Research methods I 6.0

or

352224A Nursing Science - Health Care System  
 352110A Clinical studies in nursing \*\*19.0  
 352221A Theory development and evaluation 5.0  
 352310A Ethics and Philosophy of nursing \* 3.0  
 352114A Bachelor's thesis 10.0  
 353205S Written maturity test

Advanced studies and pro gradu thesis in nursing science (Master's degree) 60 credits

353201S Advanced studies in nursing science 8.0  
 353203S Research methods II 10.0  
 353204S Research seminars 8.0  
 353206S Pro gradu thesis 30.0  
 353112S Evaluation of health care services 4.0

#### 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

#### Nursing science studies per semesters

##### Semester 1.

350008 P Research methods\* 2.0  
 351101P Introduction to nursing science 5.0

##### Semester 2.

352315A Health Care Today 5.0  
 352107A Research methods I 6.0  
 352310A Ethics and Philosophy of nursing\* 3.0

##### Semester 3.

352114A Bachelor's thesis & Written maturity test 10.0  
 352221A Theory development and evaluation 5.0

Semester 4.

353203S Research methods II 10.0  
 353112S Evaluation of health care services 4.0

Semester 5.

353204S Research seminars 4.0  
 353206S Pro gradu thesis 10.0  
 353201S Advanced studies in nursing science 4.0

Semester 6.

353201S Advanced studies in nursing science 4.0  
 353204S Research seminars 4.0  
 353206S Pro gradu thesis 10.0

Semester 7.

353206S Pro gradu thesis 10.0  
 353205S written maturity test

## Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

353201S: Advanced studies in nursing science (Nursing science II), 7 op  
 352114A: Bachelor Thesis and Written Maturity Test, 6 op  
 900008Y: Basics of Oral Communication, 3 op  
 900007Y: Basics of Written Communication, 2 op  
 352110A: Clinical studies in nursing, 19 op  
 352228A: Elective special research course, 3 - 10 op  
 902008Y: English, 3 op  
 353112S: Evaluating of health services, 4 op  
 352222A: Gerontological Nursing Science, Aging as a Resource in Community, 8 op  
 352315A: Health Care Today, 3 op  
 350006Y: Informatics of health sciences, 4 op  
 350008Y: Introduction to academic studies, 3 op  
 351101P: Introduction to nursing science, 5 op  
 353206S: Master's thesis and thesis seminars, 30 op  
 352224A: Nursing Science - Health Care System, 6 op  
 351303P: Nursing Science Today, 2 op  
 350003Y: Philosophical foundations for scientific research, 5 op  
 352310A: Philosophy and ethic of nursing, 3 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  
 901007Y-02: Second Official Language (Swedish), Oral Skills, 2 op  
 901007Y-01: Second Official Language (Swedish), Written Skills, 1 op  
 360002Y: Sociology, 6 op

350007Y: Statistical computing, 5 op  
 350005Y: Statistics, 6 op  
 350001Y: Study planning and tutorial, 1 - 3 op  
 353113S: The effective patient education in nursing and nursing science, 8 op  
 351102P: Theoretical and methodological basis of nursing, 18 op  
 352221A: Theory development and evaluation, 3 - 5 op  
 353205S: Written maturity test, 0 op

## Opintojaksojen kuvaukset

### Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

#### 353201S: Advanced studies in nursing science (Nursing science II), 7 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Isola Arja

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**Timing:**

3rd year autumn term

**Learning outcomes:**

After the course student:

- is able to analyse and criticise knowledge base of nursing science
- is able to apply knowledge of nursing science in nursing practice, in education of nursing and in management of nursing
- is able to assure audience the meaning of nursing science knowledge for health care and society nowadays and future

**Contents:**

Position and meaning of nursing science in health care and in society in national and international level. Applying knowledge of nursing science in nursing practice, in education of nursing and in management of nursing. Challenges of future in nursing science.

**Learning activities and teaching methods:**

Lectures 8h, active participation in group working 24h, independent working 178h and group exam 4h.

**Recommended optional programme components:**

All previous courses in nursing science

**Recommended or required reading:**

**Meleis A.I.** 2005. Theoretical Nursing: Development & progress. 3<sup>rd</sup> ed, rev.reprint J.B. Lippincott, Williams & Wilkins, Philadelphia. **McEwen M & Wills E.M.** 2002. Theoretical Basis for Nursing. Lippincott, Williams & Wilkins, Philadelphia. **Kim H.S.** The nature of theoretical thinking in nursing. 2<sup>nd</sup> ed. 2000. New York, NY Springer Publ. Company 2000. New scientific articles

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

**Grading:**

5-1 / Fail

**Person responsible:**

Professor in nursing science

## 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 raport. 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.

### **352110A: Clinical studies in nursing, 19 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

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](#)).

**353112S: Evaluating of health services, 4 op**

**Voimassaolo:** 01.08.1990 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen oppimateriaali:**

**Outinen, M., Lempinen, K., Holma, T. & Haverinen, R.**, , 1999

**Holma, T., Outinen, M., Idänpään-Heikkilä, U. & Sainio, S.**, , 2001

**Övretveit, John**, , 2000

**Leino-Kilpi, Helena**, , 1992

**Leino-Kilpi, H., Walta, L., Helenius, H., Vuorenheimo, J. & Välimäki, M.**, , 1994

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

4 ECTS

**Language of instruction:**

Finnish

**Timing:**

2nd year spring term

**Learning outcomes:**

The student gets familiar with different quality evaluation approaches, methods, concepts, and planning process of caring quality evaluation.

**Contents:**

Basics of quality evaluation, concepts of quality of service. Quality checks, evaluation and measuring.

**Learning activities and teaching methods:**

Lectures 10 hours and exam.

**Recommended or required reading:**

- 1) Lectures
- 2) Following recommendation: Sosiaali- ja terveydenhuollon laadunhallinta 2000-luvulle <http://www.stakes.fi/verkkojulkaisut/muut/laadunhallinta2000.pdf>
- 3) Articles: *Hudelson P, Cléopas A, Kolly V, Chopard P, Perneger T. 2008.* What is quality and how is it achieved? Practitioners' views versus quality models. *Quality and Safety in Health Care* 17:31-36. *Davis R E, Koutantji M, Vincent C A. 2008.* How willing are patients to question healthcare staff on issues related to the quality and safety of their healthcare? An exploratory study. *Quality and Safety in Health Care* 17:90-96
- 4) One book of following: *Laamanen K. 2005.* Johda suorituskykyä tiedon avulla. Laatu keskus Oy, Helsinki. *Mäkelä M, Kaila M, Lampe K & Teikari M (toim).* Menetelmien arviointi terveydenhuollossa. Duodecim, Helsinki. *Seppänen-Järvelä R. 1999.* Luottamus prosessiin. Kehittämistyön luonne sosiaali- ja terveysalalla. Stakes tutkimuksia 104. Helsinki. *Määttä S & Ojala T. 2002.* Tasapainoisen onnistumisen haaste. Johtaminen julkisella sektorilla ja balanced score card. Hallinnon kehittämiskeskus, Valtionvarainministeriö, Helsinki. *Lillrank P ym. 2004.* Keskenäinen potilas: terveydenhuollon tuotannonohjaus. Talentum, Helsinki. *Lillrank P. 2003.* Laatuajattelu: Laadun filosofia, tekniikka ja johtaminen tietoyhteiskunnassa. Otava, Helsinki. *Øvretveit J. 2003.* Evaluating health interventions. An introduction to evaluation of health treatments, services, policies and organizational interventions. Open University Press, Buckingham

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

**Assessment methods and criteria:**

Participation in teaching and exam.



**Grading:**

1-5/ fail

**Person responsible:**

Lecturer in nursing science Satu Elo.

**352222A: Gerontological Nursing Science, Aging as a Resource in Community, 8 op****Voimassaolo:** 01.08.2008 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Institute of Health Sciences**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Isola Arja**Opintokohteen kielet:** Finnish**352315A: Health Care Today, 3 op****Voimassaolo:** 01.08.2007 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Institute of Health Sciences**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Tarja Pölkki**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay352315A Health Care Today (OPEN UNI) 3.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Timing:**

first year spring term

**Learning outcomes:**

Upon completion the student should be able to:

- know topical questions of health care, content of main concepts in health care
- participate in a discussion about topical questions of health care
- search the scientific information for topic of health care

**Contents:**

Current questions of health care

**Learning activities and teaching methods:**

Lectures and practice 16 hours, group-working 30 hours, self-working and written essays 89 hours.

**Recommended or required reading:**

Current national and international scientific articles (about 200 pages).

**Assessment methods and criteria:**

Participation in lectures and practice, group-working, written essays

**Grading:**

Pass / Fail

**Person responsible:**

Senior lectures in nursing science and health administration

**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

## 351101P: Introduction to nursing science, 5 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Isola Arja

**Opintokohteen oppimateriaali:**

Eriksson, K., Isola, A., Kyngäs, H., Leino-Kilpi, H., Lindstöm, U., Paavilainen, E., Pietilä, A., Sa, , 2007, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351101P Nursing science I (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year autumn term

**Learning outcomes:**

After the course the student:

- is able to define what are science and scientific knowledge
- is able to describe the development of nursing science
- is able to tell the meaning of nursing science
- is able to describe the objectives of research, methodology and methods in nursing science
- is able to explain evidence based nursing practise
- is able to discuss about future of nursing science

**Contents:**

Science, scientific knowledge and nursing science. Meaning of nursing science. Nursing science and research. Objectives of nursing science, methodology of research and methods. Evidence based nursing practise. Future of nursing science.

**Learning activities and teaching methods:**

lectures 25 hrs, active participation in group working 12 hrs and writing essay independently 98 hrs

**Recommended or required reading:**

Eriksson K, Isola A, Kyngäs H, Leino-Kilpi H, Lindström U.Å, Paavilainen E, Pietilä A-M, Salanterä S, Vehviläinen-Julkunen K & Åstedt-Kurki P. 2007. Hoitotiede, Helsinki, WSOY.

Articles from Journal of Hoitotiede and international nursing science journals 100 pages

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

**Grading:**

5-1 / fail

**Person responsible:**

Professor in nursing science

## 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

### 352224A: Nursing Science - Health Care System, 6 op

**Voimassaolo:** 01.08.2006 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

6 ECTS

### 351303P: Nursing Science Today, 2 op

**Voimassaolo:** 01.08.2006 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

### 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

**352310A: Philosophy and ethic of nursing, 3 op**

**Opiskelumuoto:** Intermediate 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 spring term

**Learning outcomes:**

Upon completion student knows basic theories, concepts and problems of philosophy and ethics of nursing thereby she/he can understand them from point of view of researcher, manager or teacher. Student knows her/his ethical development and get readiness to handle ethical problems.

**Contents:**

Aspects of nursing philosophy and ethics, goal of nursing. Moral models as a point of departure for tackling ethical questions in health care. Ethical and justice principals in nursing.

**Learning activities and teaching methods:**

Literature examination.

**Recommended or required reading:**

Literature agreed with the teacher.

**Assessment methods and criteria:**

Literature examination.

**Grading:**

1-5/fail

**Person responsible:**

Doctoral candidate of nursing science.

**Other information:**

Previous degree of social and health care replaces this course.

**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.

## 901007Y-02: Second Official Language (Swedish), Oral Skills, 2 op

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Language Centre

**Opintokohteen kielet:** Swedish

**Leikkaavuudet:**

ay901007Y-02 Second Official Language (Swedish), Oral Skills (OPEN UNI) 2.0 op

Ei opintojaksokuvauksia.

## 901007Y-01: Second Official Language (Swedish), Written Skills, 1 op

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Language Centre

**Opintokohteen kielet:** Swedish

**Leikkaavuudet:**

ay901007Y-01 Second Official Language (Swedish), Written Skills (OPEN UNI) 1.0 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 biostatistikka. 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 tutkimus. 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

### 353113S: The effective patient education in nursing and nursing science, 8 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Timing:**

At spring 2010

**Learning outcomes:**

A student can discuss the constructions, theories and actions of measurements in patient education. A student can discuss didactical, teaching and nursing processes in educating the patient. A student can describe taking actions in measuring outcomes and effectiveness in patient education.

**Contents:**

Theoretical definitions and elements of patient education, measurements and methods in patient education. Didactics in patient education. Learning, educating and nursing processes in patient education. Measuring outcomes and effectiveness of patient education.

**Learning activities and teaching methods:**

Lectures 21 hours, web-based and independent studies 114 hours.

**Recommended or required reading:**

Scientifically relevant literature in Finnish and in English

**Assessment methods and criteria:**

Participation in lectures and in interactive web-based studies. Essays accepted.

**Grading:**

pass/ Fail

**Person responsible:**

Professor and senior lecturer in nursing science.

**Other information:**

Plans for composing the thesis of Bachelor's or Master's degree are optimal in taking the study course and joining the department's effective patient education research group.

### 351102P: Theoretical and methodological basis of nursing, 18 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

### 352221A: Theory development and evaluation, 3 - 5 op

**Voimassaolo:** 01.08.1990 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Institute of Health Sciences

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

**Opettajat:** Kyngäs, Helvi Aulikki

**Opintokohteen oppimateriaali:**

**Lauri, Sirkka** , , 2005, pakollinen

**McEwen, M. & Wills, E.M.** , 2002, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352221A Theory development and evaluation (OPEN UNI) 3.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Timing:**

2nd year autumn term.

**Learning outcomes:**

The student can analyse and evaluate nursing theories. The student can describe the most important phases of theory development.

**Contents:**

Structure of theory, strategies of theory development, the process of theory development and evaluation, history of theory development.

**Learning activities and teaching methods:**

Face to face teaching 15 hours including lectures and seminars. Independent work.

**Recommended or required reading:**

Lauri S. & Kyngäs. H. 2005. Hoitotieteen teorian kehittäminen. WSOY. · McEwen, M. & Wills, E.M. Theoretical basis for nursing. Second Edition. Lippincott Williams & Wilkins 2007, pages 1-114, 224-272. PhD dissertation where is developed theory.

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

**Assessment methods and criteria:**

Written exam.

**Grading:**

5-1/ Fail

**Person responsible:**

Professor in nursing 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