

Opasraportti

LTK - Health Management Science (2012 - 2013)

THE SCIENCE OF HEALTH MANAGEMENT

DEGREE PROGRAMME IN HEALTH MANAGEMENT SCIENCE 2012-2013

DEPARTMENT OF HEALTH SCIENCES

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

Learning outcomes:

When student has finished Bachelor of Health Management sciences students are able to:

1. Apply the concepts and terms of health management science in the context of changing operating environments and organisations.
2. Follow and interpret development in health care and health administration science
3. Apply scientific working methods
4. Use and apply in their own working tasks the information acquired in a creative and critical manner
5. Communicate independently in their native language, the other official language spoken in Finland and at least one foreign language, to international audience as well.

The goals for the Master's degree (Master of Health Science):

Learning outcomes:

After having attained the degree of Master of Health Science in addition to Bachelor of Health Science, students able to:

1. Acquire and evaluate critically current information and use it independently and innovatively from the viewpoint in health administration science.
2. Conduct scientific research with scientific research methods and engage in postgraduate studies in health administration science
3. Participate in research, expert tasks, management and development in health care.
4. Communicate orally and in writing in a clear and analytical manner

5. Evaluate the activities and knowledge of people acting in the operating environment and to increase their knowledge and readiness

Students who have attained a degree of health management science are qualified advanced tasks in management, planning, development, research and education in the field of social and health care on both national and international level. Students can choose minor subjects to suit their career orientation.

Credit policy (credit transfer, recognition of prior learning)

Recognition of prior learning is marked in the Study Guide as follows:

Course marked with *: Credit is given based on a previous degree in health care or a University of Applied Science degree.

Course marked with **: Credit is given only based on a previous University of Applied Science degree.

Course marked with ***: Credit is given only based on a previous University of Applied Science higher degree.

Students do not have to make a separate application for credit towards courses marked with one or two asterisks if they have made a copy of their degree certificate available to the Faculty. The only exception are language and communications studies: the decision on providing credit is made by Language Centre (Kielikeskus). Student must apply for credit using the HYPERLINK "<http://webcgi.oulu.fi/kielikeskus/index.php?a=o&s=aiemminopitunHyvaksiluku.html&v=tietoa>" credit application form of Kielikeskus.

Concerning studies/courses completed at other universities, including open universities of other universities: students must make a separate application to get credit for prior studies. A decision on whether the student is given credit towards a course of study is made by the professor teaching the main subject or the teacher in charge of the course of study.

General studies for which credit is given:

A previous degree in health care (from a nursing college or a University of Applied Sciences) counts as 40 ECTS towards general orientation studies. Credit is given for general orientation studies towards a higher University of Applied Sciences health care degree, with the exception of course 350001Y, Study planning and tutoring (3 ECTS).

Application for recognition of language and communication studies (8 ECTS) must be addressed to Kielikeskus.

Optional studies and studies in minor subjects for which credit is given:

A University of Applied Sciences degree in health care counts as 35 ECTS towards the Degree of Bachelor of Health Sciences.

A University of Applied Sciences degree in health care counts as 25 ECTS towards the Degree of Master of Health Sciences (optional studies and studies in minor subjects).

STRUCTURE OF STUDIES

The Degree of Bachelor of Health Sciences (180 ECTS) consists of the following:

General studies 25 ECTS

Basic and advanced studies in major subject 65 ECTS

Studies in minor subject, optional studies 90 ECTS

The Degree of Master of Health Sciences (120 ECTS) consists of the following:

Advanced studies in major subject 63 ECTS

BACHELOR'S DEGREE IN HEALTH SCIENCES, 180 ECTS	
General studies 25 ECTS	<p><i>Orientation studies 17 ECTS</i> 350001Y Study planning and tutoring 3.0 350003Y Philosophical basis of scientific research 5.0 *** 350006Y Informatics in health sciences 4.0 *** 350007Y Statistical analysis 5.0</p> <p><i>Language and communication studies 8 ECTS</i> 900007Y Introduction to written communication 2.0 ** 901007Y Other official language spoken in Finland (Swedish) 3.0 902008Y Foreign language, English 3.0 **</p>
Main subject studies 65 ECTS	<p>Basic studies in Health Administration Science included in Bachelor's degree 25 ECTS</p> <p>351008P Research course 2.0 **</p> <p>351137P Health Administration Science I 7.0</p> <p>351138P Legal aspects of health care 4.0</p> <p>350005Y Statistics 6.0</p> <p>351140P Evaluation and development of the health care work community 6.0</p> <p>Advanced studies in Health Administration Sciences included in Master's degree 40 ECTS</p> <p>352107A Research methods I 6.0 352147A Multiprofessional management in health care 8.0</p> <p>352214A Administrative law, public employment and labour law 8.0</p> <p>352215A Health administration science II 8.0 352114A Bachelor's thesis and written maturity examination 10.0</p>
Studies in minor subject and optional studies, 90 ECTS	Studies and modules completed at Oulu University or other universities, at least one module comprising 25 ECTS
	<p>Credit for previous University of Applied Sciences degree in health care towards studies in minor subject and optional studies 35 ECTS**</p> <p>Credit for previous nursing college degree in health care towards studies in minor subject and optional studies 15 ECTS*</p>

Studies in Health Administration Science as main subject towards Master's degree in Health Sciences

MASTER'S DEGREE IN HEALTH SCIENCES 120 ECTS	
Main subject studies 63 ECTS	<p>Advanced studies in health administration science 63 ECTS</p> <p>353407S Advanced studies in health administration science 5.0</p> <p>353208S Applied reflection of management 10.0</p> <p>353203S Research methods II 10.0</p> <p>353204S Thesis seminar 8.0</p> <p>353206S Master's thesis 30.0</p> <p>353205S Written maturity examination 0.0</p> <p>(+ Minor subject 352146A Administration training 6.0)</p>
Studies in minor subject and optional studies, 57 ECTS	<p>Minor subject and optional studies towards the Degree of Master of Health Sciences must include at least one study module comprising 25 ECTS. Study modules completed at Oulu University or other universities.</p> <p>If they wish, students may choose studies in Occupational Health care, provided in collaboration with the Finnish Institute of Occupational health using multiprofessional and multidisciplinary methods.</p>
	<p>25 ECTS is given in credit towards Master's degree studies in minor subject and optional studies for an applicable higher University of Applied Sciences degree in health care.</p>

Studies by term**General studies by term***1st term*

350001Y Study planning and tutoring 1.5
 350003Y Philosophical basis of scientific research 5.0
 350006Y Health science informatics 2.0

9000074 Introduction to written communication 2.0

2nd term

350001Y Study planning and tutoring 1.5
 350007Y Statistical analysis 5.0
 902008Y Foreign language 3.0

3rd term

901007Y Other official language spoken in Finland (Swedish) 3.0

Health Administration Science studies by term*1st term*

351008P Research course 2.0 **
 351137P Health Administration Science I 7.0
 351138P Legal aspects of health care 4.0
 350005Y Statistics 3.0

2nd term

351138P Legal aspects of health care 4.0
 352107A Research methods I 6.0
 350005Y Statistics 3.0
 351140P Evaluation and development of the health care work community 6.0

3rd term

352114A Bachelor's thesis and written maturity examination 10.0
 352215A Health administration science II 8.0

4th term

353203S Research methods II 10.0
 352214A Administrative law, public employment and labour law 8.0

352147A Multiprofessional management in health care 8.0

5th term

353204S Thesis seminar 4.0
 353407S Advanced studies in health administration science 5.0

6th term

353204S Thesis seminar 4.0
 353206S Master's thesis 15.0

353208S Training in administration 5.0

7th term

353208S Training in administration 5.0

353206S Master's thesis 15.0

353205S Written maturity examination

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

352147A: A multiprofessional management in health care, 8 op
 352214A: Administrative law and public employment and labour law, 8 op
 353208S: Applied reflection of management, 5 op
 352114A: Bachelor Thesis and Written Maturity Test, 6 op
 900007Y: Basics of Written Communication, 2 op
 902008Y: English, 3 op
 351145P: Evaluation and development of the health care work unit, 6 op
 351137P: Health administration science I, 7 op
 352215A: Health administration science II, 8 op
 350006Y: Informatics of health sciences, 4 op
 350006Y-01: Informatics of health sciences part 1, 2,5 op
 350006Y-02: Informatics of health sciences part 2, 1,5 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
 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
 350007Y: Statistical computing, 5 op
 350005Y: Statistics, 6 op
 350001Y: Study planning and tutorial, 1 - 3 op
 353408S: Synthesis in Health Management Science Part I and II, 5 - 10 op
 352146A: Training in administration, 6 op

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

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

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Leena Turkki

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:

Learning outcomes: Students are able to interpret challenging situations related to multiprofessional management in health care.

Contents:

Theories and basic concepts in health management.

Learning activities and teaching methods:

Lectures 10 hours. ArgueGraph 10 hours, independent study.

Recommended or required reading:

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

Kauhanen, J.: Henkilöstövoimavarojen johtaminen. WSOY, Helsinki Porvoo 2006.

Topical reseach.

Assessment methods and criteria:

Participation in seminars, essay written as team work and individual essay.

Grading:

1-5/ Failed. Total grade: essay written as team work and individual essay both make up 50% of the grade.

Person responsible:

Professor, lecturer and doctoral candidate in Health administration 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 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:

Learning outcomes: Upon completion the course the student:

- is able to analyze legal relations between government officials and citizen
- is able to define administrative decision making process and legal settings
- is able to define assumes basic concepts of administrative law needed in processing administrative matters.
- is able to define official- and labour law, gets general idea of conflicts regulation and settlementing concerning service and collective bargaining contract.
- is able to define 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

Other information:

No substitution by earlier studies

353208S: Applied reflection of management, 5 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Hanna Tiirinki

Opintokohteen kielet: Finnish

ECTS Credits:

10 ECTS

Language of instruction:

Finnish

Timing:

4th year autumn term.

Learning outcomes:

Learning outcomes: Student's can reflect on their own know-how in the area of social and healthcare administration. Students shows their own development and know-how with a portfolio.

Contents:

Students train in health care settings according to their individual plans.

Learning activities and teaching methods:

Individual training and portfolio. Instructions in Optima.

Target group:

Students who main subject is Health administration science.

Recommended optional programme components:

Completion (mostly) of basic studies and in health administration science is required.

Recommended or required reading:

Topical reseach and books.

Assessment methods and criteria:

Training and portfolio.

Grading:

Passed / Failed

Person responsible:

Doctoral candidate in Health administration 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:

Learning outcomes: After completing the course the student is able to write Bachelor's thesis based on research literature or empirical data according to principles of scientific research. The student is able to present the research.

Contents:

Planning, carrying on and evaluating the research process. Writing a Bachelor's thesis based on literature and/or empirical data.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Individual studying, group guidance and seminar.

Target group:

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

Prerequisites and co-requisites:

Please see the recommended optional programme components

Recommended optional programme components:

350008P Research methods (basic) and 352107A Research methods I.

Recommended or required reading:

Literature related to the topic of the Bachelor's thesis.

Assessment methods and criteria:

Writing the Bachelor's thesis and presenting it. Written maturity test.

Grading:

Pass / Fail

Person responsible:

Doctoral candidate and lecturer

Working life cooperation:

No

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

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 ECTS credits

Language of instruction:

English

Person responsible:

Eva Braidwood

Other information:See course descriptions 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**Opettajat:** Marjo Suhonen**Opintokohteen oppimateriaali:****Paasivaara Leena, Suhonen Marjo, Virtanen Petri**, , 2011**Paasivaara Leena, Suhonen Marjo, Nikkilä Juhani**, , 2008**Virtanen, Petri**, , 2007**Aro, Antti**, , 2007**Ruuska, Kai**, , 2006**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:

1st year spring term

Learning outcomes:

Learning outcomes: Students are able to apply concepts health care work community and it's development in a project plan. Students are able to name key challenges of health care projects. Students are able to desing a project in a group and a draft a project plan.

Contents:

he focal concepts in development of health care work community and the main themes of research. Project planning, implementation and evaluation.

Learning activities and teaching methods:

Lectures (schema learning and mindmapping) 6 hours, practical exercises 6 hours, projectwork and independent studying.

Assessment methods and criteria:

Lectures, participating seminars, projectplanwork.

Grading:

1-5/ Failed. Self-evaluation passed/failed, peer-review 50% and teacher evaluation 50%.

Person responsible:

Lecturer of Health management science

351137P: Health administration science I, 7 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Leena Turkki

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:

Learning outcomes: Student are able to analyze the resech field of heath administration sciences it's development and history so that they are able to compile an essay. Students are able to constuct a national and international health policy frame in thematic discussion.

Contents:

Health administration science as an area of research area and a subject of study. Focal concepts and perspectives of health administration science. History of health care and its administration.

Learning activities and teaching methods:

Lectures 8 hours and thematic discussion groups 10 h.

Recommended or required reading:

Topical literature and material related to social and health policy.

Assessment methods and criteria:

Essay and thematic group discussion led by students.

Grading:

1-5/Failed. Essay 50% and thematic discussion 50%.

Person responsible:

Professor of Health administration 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

Opettajat: Leena Turkki

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay352215A Health administration science II (OPEN UNI) 8.0 op

ECTS Credits:

8 ECTS

Language of instruction:

Finnish

Timing:

2nd year autumn term

Learning outcomes:

Learning outcomes: Students are able to analyse the approaches, methods and theories used in health administration science research. Student are able to develop their health administration knowledge base in a Learning Cafe' and by producing text.

Contents:

Topical questions of health administration science and essential research themes.

Learning activities and teaching methods:

Lectures 4h, Learning Cafe' 6h, written work.

Recommended or required reading:

Topical research articles (international and national) and dissertations in health administration and other suitable academic dissertations.

Assessment methods and criteria:

Written work.

Grading:

1-5 / Failed.

Person responsible:

Professor and lecturer of Health administration 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:

4 ECTS (Part I 2,5 ECTS and Part II 1,5 ECTS)

Language of instruction:

Finnish

Timing:

Part I: First year autumn term

Part II: Autumn term together with the course Bachelor thesis.

Learning outcomes:

Learning outcomes: By the end of the course the student is able to:

- use information and communications technology resources in the University of Oulu,
- use workstations available in the Medical Faculty,
- apply basic software necessary in her/his studies,
- search research articles using basic literature retrieval methods,
- use bibliographic databases available in the Medical Faculty

Contents:

Part I: Use of workstations, data security, information services, information retrieval from internet, software applied in nursing studies and library services

Part II: Electronic journals, Medline, CINAHL, Medic and RefWorks software.

Mode of delivery:

Part I: Blended teaching

Part II: Face-to-face teaching

Learning activities and teaching methods:

Part I: Lectures 6 hours, group lessons in computer class-room 36 h and completion of practical projects.

Part II: Individual- and group lessons 15 h (lessons of library 5 x 3 h) and individual project.

Target group:

Students of Degree program in nursing science, Teacher training program in health sciences and Degree program in health administration science.

Prerequisites and co-requisites:

None

Recommended optional programme components:

This study unit is a part of studies in research methods.

Recommended or required reading:

List given during the course.

Assessment methods and criteria:

Written essay, participation in workgroups.

Grading:

Pass / failed

Working life cooperation:

No

350006Y-01: Informatics of health sciences part 1, 2,5 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: General Studies

Laji: Partial credit

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Pentti Nieminen

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

350006Y-02: Informatics of health sciences part 2, 1,5 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: General Studies

Laji: Partial credit

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Pentti Nieminen

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

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:

Learning outcomes: Students are able to define the legislation that regulates the production of health services. Students are able to define the judicial basics of the status of health care professionals as well as their rights and obligations. Students are also familiar with patients rights and understand their meaning from the viewpoint of legal assessment and responsibility of health care professional activities. Students are able to identify the means of legal protection available to patient.

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-Kerckelä, M: Terveydenhuollon juridiikka. Talentum, Helsinki 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)

Terveydenhuoltolaki (1326/2010)

Kansanterveyslaki (66/1972)

Erikoissairaanhoidolaki (1062/1989)

Mielenterveyslaki (1116/1990)

Laki yksityisestä terveydenhuollosta (152/1990)

Assessment methods and criteria:

Exam

Grading:

1-5/ Failed

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 spring term

Learning outcomes:

Learning outcomes: The students are able to write a Master's thesis.

Learning activities and teaching methods:

Inquiry learning and process writing. Individual study or group work. Thesis can also be written as a scientific article.

Recommended optional programme components:

Completed courses in research, Candidate thesis, research course and research methods I and II. Participation in the group in research seminars at the same time.

Assessment methods and criteria:

The student writes a pro gradu thesis or corresponding work. If the student has not taken part in to the written maturity test in connection with Candidate thesis a written maturity test has to be taken. Group 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 kielet: Finnish

Leikkaavuudet:

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

ECTS Credits:

5 ECTS

Language of instruction:

Finnish

Timing:

1st year autumn

Learning outcomes:

Learning outcomes: The student will be able to respond to the scientific study of science with the philosophical issues that relate to information, science objectives and the nature of scientific thinking, and basis the study of human sciences.

Contents:

Philosophical foundations of science and philosophical study of basic concepts. Positivistic and hermeneutical approach. Phenomenology. Knowledge interests. The basic starting points of scientific concept and theory formation, and scientific reasoning. Ethics of science.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures 20 hour and literature.

Target group:

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

Prerequisites and co-requisites:

No

Recommended optional programme components:

No

Recommended or required reading:

Lectures and following items:

- Salonen T. 2007 or later edition. *Tieteenfilosofia*. Lapin yliopisto, Rovaniemi.
- Raatikainen T. 2004 or later edition. *Ihmistieteet ja filosofia*. Gaudeamus, Helsinki.

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

Assessment methods and criteria:

Examination of lectures and literature. Lectures and book carried out as a whole.

Grading:

Pass / Fail. Pass the examination required that the student receives at least half of the answer issues, the maximum points.

Person responsible:

Lecturer

Working life cooperation:

No

351008P: Research methods (basic), 2 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

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

ECTS Credits:

2 ECTS

Language of instruction:

Finnish

Timing:

1st year autumn term

Learning outcomes:

Learning outcomes: After completing the course the student is familiar with aims and principles of scientific research and she/he is able to describe the phases of research process.

Contents:

The aims and principles of scientific research, and research process.

Mode of delivery:

Distance teaching

Learning activities and teaching methods:

Independent studying

Target group:

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

Prerequisites and co-requisites:

No

Recommended optional programme components:

Part of the research studies

Recommended or required reading:

Hirsjärvi, S., Remes, P. & Sajavaara, P. 2009. Tutki ja kirjoita. 15th edition. Tammi, Helsinki. Main chapters I and II.

Paunonen, M., & Vehviläinen-Julkunen, K. 1997. (edit.) Hoitotieteen tutkimusmetodiikka. WSOY, Juva. Chapters 1 and 2.

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

Assessment methods and criteria:

Literature examination.

Grading:

1-5 / fail

Person responsible:

Doctoral candidate

Working life cooperation:

No

Other information:

The course is substituted to those students who have accomplished the degree in social and health care at 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 / English

Timing:

1st year spring term

Learning outcomes:

Learning outcomes:

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

Upon completion the student:

- is able to formulate a research problem and research purpose and design a research
- is able to review and evaluate scientific research
- is able to design qualitative and quantitative research methods
- knows the requirements of a good scientific writing
- is able to evaluate ethical considerations
- is able to evaluate the basic criteria to assess the quality of quantitative and qualitative studies

Contents:

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

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

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

Target group:

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

Prerequisites and co-requisites:

Please see the recommended optional programme components.

Recommended optional programme components:

Research methods (basic).

Recommended or required reading:

Polit DF & Beck CT. 2011. 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

Working life cooperation:

No

353203S: Research methods II, 10 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Satu Elo

Opintokohteen kielet: Finnish

Language of instruction:

Finnish

Timing:

Second year spring

Learning outcomes:

Learning outcomes: Upon completion the course the student

- Is able to define in deeply the features and methodological issues in quantitative and qualitative research
- can choose and apply types and designs for nursing research in his / her own research
- has a good command of the research process
- is able to assess questions of reliability and validity and apply them in planning and implementing his / her own research
- can assess main questions of the ethical issues in research
- is able to write 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.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

Lectures and practice 50h (qualitative research, quantitative research, statistic), group-working 30h, independent studying and written essay 190h. Compulsory attendance is 80% in qualitative and quantitative lectures / exercises.

Target group:

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

Prerequisites and co-requisites:

Please see the recommended optional programme components

Recommended optional programme components:

Research methods (basic), research methods I, Candidate's 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). Current literature and scientific articles.

Assessment methods and criteria:

Participation in lectures and exercises, group work and written essay.

Grading:

1-5 / fail

Person responsible:

Senior lectures in health administration and nursing science

Working life cooperation:

No

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:

Learning outcomes: The students produce research proposal. Students are able to evaluate process and its phases critically.

Contents:

Drafting a research proposal.

Learning activities and teaching methods:

Inquiry learning. Guidance in a group (the wine-chocolate-method, Nummenmaa & Lautamatti 2004) Independent study.

Recommended optional programme components:

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

Recommended or required reading:

Research related to research proposal and research literature.

Assessment methods and criteria:

Research proposal. Participation in briefing and to group guidance.

Grading:

Pass / Fail. Peer-review, teacher evaluation.

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

Proficiency level:

B1/B2/C1 (CEFR scale)

Status:

This course unit is compulsory to all students except those who have at least 60 ECTS credits of Swedish studies in their degrees. The language proficiency provided by the course unit is equivalent to the language proficiency required of a state official with an academic degree working in a bilingual municipality area (Act 424/03 and Decree 481/03).

Required proficiency level:

The required starting proficiency level for students of all faculties is a grade of 7 or higher from the Swedish studies at secondary school (B-syllabus) or matriculation examination grade A - L AND a passing grade from the proficiency test held at the beginning of the course unit.

ECTS Credits:

3 ECTS credits (80 h)

Language of instruction:

Swedish

Timing:

2nd year autumn term

Learning outcomes:

Upon completion of the course unit the student should have achieved the Swedish language proficiency required in his/her professional work tasks. He/she should be able to manage in typical professional communication situations. The student should be able to understand spoken language of his/her field, use Swedish in various professional situations, read and write texts related to his/her field. He/she should have developed a readiness to improve his/her language proficiency in genuine language use situations.

Contents:

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

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

There is one (1) common teaching group for the students in all degree programmes. Active participation is required. The course includes 50 hours of contact teaching (1 x 180 min./week) and related exercises and self-directed study. The course unit's total workload is 80 hours.

Target group:

Students of Nursing Science and Health Administration Science.

Prerequisites and co-requisites:

See Required Proficiency Level

Recommended optional programme components:

-

Recommended or required reading:

Material subject to a charge will be distributed in class.

Assessment methods and criteria:

The course unit focuses on improving both oral and written language skills and requires active attendance and participation in exercises, which require preparation time. The course unit tests both oral and written language skills. There are 4 teaching groups in the autumn semester and 2 in the spring.

- Compensatory exam: a two-part compensatory exam is held at the beginning of the autumn semester. The exam is voluntary and consists of a written section and an oral section. The compensatory exam is only recommended for students who are already proficient in written and spoken Swedish as well as the Swedish of their own special field. If a student proves that he/she is proficient enough and passes both sections of the exam, he/she does not have to take part in the course unit. Students sign up for the written part of the exam by the end

of May preceding the exam via email . The oral part of the exam is held for students who pass the written part at a date and time agreed upon separately. - Separate grades are given for the written and oral parts of the exam. Grading scale: fail / satisfactory skills / good skills. The grades are based on continuous assessment and testing.

Grading:

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

Person responsible:

University Lecturer Hannu Niemi

Working life cooperation:

-

Other information:

-

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:

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:

Statistical research. Planning of statistical computing. Data entry. Use of statistical software. Variable distributions. Variable transforms. Comparing groups. Repeated measurements. Correlation. Multivariate methods.

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Lectures 12 hours, group work 21 hours, a practical projects and home-works.

Target group:

Students in Degree Program in Nursing Science, Teacher Training Program in Health Science and Degree Program in Health Administration science.

Prerequisites and co-requisites:

Participation prerequisites completion of the course 350005Y Statistics.

Recommended optional programme components:

This study unit is a part of studies in research methods.

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

Working life cooperation:

No

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:

Learning outcomes: Student is able to get numeric observational data and plan quantitative research process. Student is able to describe things which are examined by tables, figures and parameters. Student is able to use the principles of distributions and test theories and 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 probably variable. Statistical reasoning. Estimating, significant testing.

Mode of delivery:

The course will be divided in two parts: I= Descriptive statics which will be taught on autumn term and II= Reasoning statics which will be taught on spring term.

Learning activities and teaching methods:

Lectures 40 hours. Individual and group work 50 hours.

Target group:

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

Prerequisites and co-requisites:

Basics of mathics, sum,- subtraction,- multiplication- and division. Power, square root.

Recommended optional programme components:

This course need to be completed before attending to the course 350007Y Applied statistics and ADP.

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

Working life cooperation:

Not included.

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:

3 ECTS

Language of instruction:

Finnish

Timing:

1st academic year

Learning outcomes:

Learning outcomes: After completing the course the student is able to assess him-/herself as a student and a member of science community. The student recognizes the structure and aims of health science education and is able to plan his/her own studies. The student is able to evaluate the meaning of learning outcomes and learning strategies in planning his/her own studies. The student is able to describe the ethical principles of the university studies.

Contents:

Introduction to university studies: the structure, aims and content of the education. Student services at the University of Oulu. Study methods, individual study plan and learning assessment. The membership of a science community and ethical principles of the university studies.

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

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

Target group:

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

Prerequisites and co-requisites:

No

Recommended optional programme components:

No

Recommended or required reading:

[Curriculum and study guide](#), web-pages of the [Faculty of Medicine](#) and [University of Oulu](#). [Ethical Guidelines for Teachers and Students](#).

Assessment methods and criteria:

Participation in student and teacher tutoring and workshops. Individual study plan and its continuous self assessment. Individual study plan will be prepared and returned to teacher tutor.

Grading:

Pass / fail

Person responsible:

Teacher tutors

Working life cooperation:

No

353408S: Synthesis in Health Management Science Part I and II, 5 - 10 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Leena Turkki

Opintokohteen kielet: Finnish

ECTS Credits:

5 ECTS

Language of instruction:

Finnish

Timing:

3rd year autumn and spring.

Learning outcomes:

Learning outcomes: In a limited area of health care students are able to generate a wholeness by exploiting the main questions in health administration science. Students are able to comment and reflect on the nature of health administration science as a result of PBL-work. Students are able to apply information of health administration science in practice and in writing.

Contents:

Knowledge of Health administration science in health care practices, education and management.

Learning activities and teaching methods:

Idea-lecture 4h. Problem-based learning. Reflection of things learned and argumentation in peer-review.

Recommended or required reading:

Topical research.

Assessment methods and criteria:

Participating in idea-lectures and PBL-work. Written work.

Grading:

1-5 / Failed

Person responsible:

Professor of Health administration science.

352146A: Training in administration, 6 op

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Hanna Tiirinki

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:

Learning outcomes: Students are able to define and delimit the area of social and health care according to their own objectives. Students have the competence to apply information gained from health administration science to management in social and health care and/or research and development work in social and health care by producing ideas for development.

Contents:

Students train in healthcare settings according to their own individual plan.

Learning activities and teaching methods:

Individual training and reflective report. Instructions in Optima.

Target group:

Minor subject students.

Recommended optional programme components:

Completion of basic studies in Health administration science is required.

Recommended or required reading:

Topical research and books.

Assessment methods and criteria:

Training and reflective report.

Grading:

Passed/failed.

Person responsible:

Doctoral candidate of Health administration science.

Other information:

More details instructions in Optima (web). Registration via weboodi.

