

Opasraportti

FMed - Health Management Science (2017 - 2018)

DEGREE PROGRAMME IN HEALTH SCIENCES (BHSc) 180 ECTS cr and

MASTER´S PROGRAMME IN HEALTH MANAGEMENT SCIENCE (MHsc) 120 ECTS cr

2017-2018

The Bachelor's degree (BHSc) and Master's degree (MHSc) in Health Sciences at the University of Oulu are based on the Government Decree on University Degrees [794/2004](#). The degree programme leads first to the degree of Bachelor of Health Sciences (180 ECTS) and further to the degree of Master of Health Sciences (120 ECTS). The studies are multidisciplinary in the degree programme of Bachelor of Health Sciences (first-cycle university degree), so that the curriculum of the three different degree programs (Nursing Sciences, Health Management Sciences, Health Sciences Teacher Education) is identical to all undergraduate health science students irrespective of chosen specialization.

When students have received study rights for nursing science during the admission process, students are guaranteed to continue their studies either in the Master's Programme in Nursing Science or in the Master's Programme in Health Sciences Teacher Education. When students have received study rights for health management sciences during the admission process, students are guaranteed to continue their studies in the Master's Programme in Health Management Science. The studies for Master's degree in Health Sciences (second-cycle university degree) are different in each Master's programme according to the chosen specialization. Upon completion of the Master's degree, the student is eligible for applying for further academic education (doctoral degree).

The study rights of students progressing into the Master's Programmes in Nursing Science and Health Sciences Teacher Education are confirmed based on an application that the students have to submit during the first Bachelor year by deadline given separately. In the application, the students set nursing science and health sciences teacher education in an order of preference. In case there are more applicants than open places, the decision on admission will be made based on success in studies and/or in admission examination. After the admission process student is given study rights either for Master's Programme in Nursing Science or Master's Programme in Health Sciences Teacher Education. The students must take into account the required studies for entering the master's programmes already when they choose their minor subject in Bachelor degree programme. Those who transfer into the Master's Programme in Health Sciences Teacher Education must have completed basic studies in education or in adult education.

Students who have obtained Bachelor's and Master's Degrees in Health Sciences, qualify for various demanding positions in social welfare and public health care including positions in planning, development, research, teaching and management on both national and international level.

In the beginning of the studies, for all students will be named a small group tutor and a personal teacher, who are responsible for student guidance and supervision. All students draft personal study plan (e-PSP). The implementation of teaching is in accordance with the decision by University of Oulu (KN 17.9.2014) regarding four teaching periods during the period from 10.8.2017 to 31.5.2018. Additionally, it is possible to complete a part of the courses during the summer term. A separate announcement of the courses offered during the summer term will be given by the end of February.

All students of the University of Oulu may become exchange students if they wish and complete a part of the studies (e.g. optional studies, practical training) in an institution of higher education abroad. Duration of the exchange is 3-12 months and the student may participate in exchange as soon as she/he has finished one year of studies at the University of Oulu. The student and the coordinator for [international affairs](#) will agree together on the period of exchange and on an individual study plan for the exchange. In case the student is planning to complete practical

training included in her/his curriculum in exchange, she/he first agrees on this with the teacher responsible for the study unit of practical training and then with the coordinator of international affairs. After this the student will contact the student centre in order to apply for the place for practical training in exchange and for possible funding.

MULTIDISCIPLINARY BACHELOR'S DEGREE PROGRAMME IN HEALTH SCIENCES (BHSc) 180 ECTS cr

Learning Objectives for the Bachelor Degree in Health Sciences

The learning objectives of the Degree Programme correspond to the aims of the Finnish [National Framework for Qualifications and Other Learning](#).

Having obtained the Bachelor degree in Health Sciences the students has reached the following learning objectives:

Multi-disciplinary and advanced knowledge in health sciences:

- Student is able to explain the primary areas of research in nursing science and health management science in evidence-based practice of healthcare
- Student is able to explain the fundamentals of theory development in health sciences
- -Student is able to observe and interpret national and international development of healthcare and health sciences
- -Student is able to choose and use creatively scientific methods and approaches using critical thinking

Skills in collaboration, communication and technology:

- The student is able to use creatively technology for retrieval, production and evaluation of relevant research data
- The student is able to communicate independently in one's mother tongue, in one additional official language, and in at least one foreign language

Analytical thinking and problem solving skills:

- The student is able to apply gained knowledge critically and creatively in professional situations and problem solving
- The student is able to work in a cooperative manner as an expert of her/his field in multidisciplinary settings of healthcare services

Leadership and entrepreneurship:

- The student is able to take responsibility for the development and evaluation of one's own competence as well as that of other individuals' and groups
- The student is able to apply her/his competence to demands and challenges of working life
- The student is able to use her/his expertise in professional (working life) collaboration in the field of healthcare, education and management

Flexibility and ethics:

- The student is able to make decisions and act independently according to the ethical principles of health sciences

Continued learning:

- The student is able to further qualify for a postgraduate degree and continued learning

STRUCTURE OF THE MULTIDISCIPLINARY BACHELOR'S DEGREE PROGRAMME IN HEALTH SCIENCES

Course Structure Diagram 2017-2018: <http://webcgi.oulu.fi/studiag/index.php?kieli=6&kaavio=493>

At the University of Oulu the Bachelor's Degree consists of following areas of competence: Language and Communication Skills, Health Sciences, Scientific Practice and Research Skills, Minor Subject and Optional Studies. The students prepare their Bachelor thesis in their field of specialization so that they can apply their expertise in the field.

GENERAL STUDIES 17 ECTS cr

352001Y Guidance for Study and Working Experience, Study Tutorials 2 ECTS cr

Language and Communication Skills 15 ECTS cr

Upon completion of this area of competence, the student has the needed skills in writing and presenting according to the principles of scientific communication. The student recognizes the properties of scientific information, understands the research process, and is able to obtain, apply, report and evaluate scientific information. Additionally, the student will have the ability to communicate at a satisfactory level in the second national language and one foreign language.

Studies included in the area of competence:

901040Y Second Official Language (Swedish), Written Skills 1 ECTS cr

901041Y Second Official Language (Swedish), Oral Skills 2 ECTS cr

902008Y Academic English 3 ECTS cr

900008Y Basics of Oral Communication 3 ECTS cr

A500105 Knowledge and Research I-III 10 ECTS cr including:

040021Y Knowledge and Research I, Tools 1 ECTS cr

040022Y Knowledge and Research I, Written assignment 1,5 ECTS cr

040024Y Knowledge and Research II, Literature retrieval 4 ECTS cr

Additional information: Knowledge and research II 4 ECTS cr is included in the Bachelor's Thesis 10 ECTS cr

040025Y Knowledge and Research III, Lessons and written examination 1,5 ECTS cr

040026Y Knowledge and Research III, Small group exercises 1 ECTS cr

040027Y Knowledge and Research III, Practical project 1 ECTS cr

BASIC STUDIES 25 ECTS cr and SUBJECT STUDIES 35 ECST cr

Health Sciences 55 ECTS

The Research Unit of Nursing Sciences and Health Management in the University of Oulu deals with areas of individual and communal interest in health from the perspectives of nursing, education and management. Upon completion of this area of competence the student knows the foundations and foundational operational principles of Finnish health care and Finnish health care education. The student is able to define objects of research in nursing science and health management science in evidence-based operation of health care and has learned bases of theory development in health sciences. Furthermore, the student will be able to operate in the university community and in professional networks. The student will be able to explain the relation between education and professional life in the development of expertise.

Basic studies included in the area of competence

351203P Introduction to Health Sciences 5 ECTS cr

351204P Foundations of Philosophy and Research Methods in Health Sciences 5 ECTS cr

351205P Foundations of Health Care Education 5 ECTS cr

351206P Health Care Systems in Finland and Inter-professional Networking 5 ECTS cr

351207P Foundations of Health Care Legislation 5 ECTS cr

Subject studies included in the area of competence:

353234A Health Management Science and Training in Expertise Development 10 ECTS cr

353235A Nursing Science and Training in Expertise Development 10 ECTS cr

352114A Bachelor Thesis 10 ECTS cr

352514A Maturity Test 0 ECTS cr

Additional information: Bachelor Thesis includes 040024Y Knowledge and research II, Literature retrieval 4 ECTS cr

Scientific Practices and Research Skills 5 ECTS cr

Upon completion of this area of competence, the student will know the foundations of philosophy of science in health sciences and the most common methods of collecting and analyzing research data. Furthermore, the student is able to plan, implement and report health sciences research.

Studies included in the area of competence:

352253A Research Methods in Health Sciences 5 ECTS cr

MINOR SUBJECT 25 ECTS

The minor subject studies for the Bachelor Degree in Health Sciences must include at least one study module with not less than 25 ECTS cr completed at the University of Oulu or some other university. Also study modules (basic or subject studies) of at least 25 ECTS cr completed at the Open University may be credited in the minor subject. The student may start minor subject for their later degree in Master of Health Sciences during their Bachelor studies according to their Personal Study Plan (e-PSP).

For students of the Health Sciences Teacher Education compulsory minor subject is Basic Studies in Education 25 ECTS cr or Basic Studies in Adult Education 25 ECTS cr completed or to be completed at the University of Oulu or at some other university.

Following study module arranged by the Research Unit of Nursing Science and Health Management may be included in Minor Studies:

Health Promotion 25 ECTS cr:

352261A Health Promotion 10 ECTS cr

353113S The Effective Patient Education in Nursing and Nursing Science 8 ECTS cr

335562A_Supportive Environments for Health and Wellbeing 7 ECTS cr

Information about the minor subjects offered by faculties of the University of Oulu you will find here <http://www oulu.fi/university/node/34982>.

OPTIONAL STUDIES 78 ECTS cr

Optional studies are basic, subject or advanced studies and study modules completed at the Research Unit of Nursing Sciences and Health Management or other units of the University of Oulu or at other national/international universities. Optional studies may include single study units.

ARRANGEMENTS FOR RECOGNITION OF PRIOR LEARNING

Recognition of prior learning (RPL) follows the main principles as defined by the University of Oulu. According to [University of Oulu Education Regulations](#) paragraph 27 *Accreditation of studies taken elsewhere and recognition of prior learning*, the principles concerning accrediting studies taken in other Finnish and foreign universities and other educational institutions are stipulated in the curricula or other regulations, unless they have not been stipulated elsewhere. Decision on recognition of prior learning for each student is made by the Director of the programme in question. For further information see <http://www oulu.fi/university/node/34963>

Provisions of Recognition of Prior Learning in the Degree Programme in Health Sciences

Studies in the field of health care to be credited from a university of applied sciences or from vocational qualifications (length of studies at least 3.5 years) do not require separate application procedure for recognition of prior learning (RPL).

For recognition of **basic and intermediate studies** completed and accepted earlier as **complete study modules** at the Open University or at other universities than the University of Oulu the student must present a witnessed certificate of the studies. The studies presented for recognition must correspond to the standard, required from the university studies and be applicable to student's major subject.

For recognition of individual study units completed at the Open University or at other universities than the University of Oulu the student must follow a separate application procedure. In principle, individual study units older than five years cannot be credited. This restriction doesn't concern recognition of the complete study modules. During the transitional period of implementation of the new curriculum (2014-2017), when necessary, also the cases with recognition of individual study units may be dealt with separately.

Study units or study modules, completed earlier and included in a previous degree may not be included as such in a new degree. However, through the RPL-process competence acquired in this context may be identified and recognized.

Application form for recognition of prior learning can be found in web pages of the Faculty of Medicine, Oulu University <http://www oulu.fi/ltk/node/1617>.

Application for recognition of prior learning has to be submitted to the teacher responsible for the study unit in question. The decision will be made by the Director of the programme in question. The decisions on credit transfer for language and communication studies are made in the Extension School Languages and Communication Education.

Based on a prior Master's degree from a university of applied sciences the student can apply for possibility to demonstrate her/his competence related to Bachelor's degree during a competence performance day. The student must have special expertise required for the Bachelor degree. Student's personal teacher evaluates student's overall situation and guides her/him in choosing the right study process. The student completes a self-evaluation and compares correspondence and level of her/his acquired competence to the learning outcomes required for the Bachelor degree. The student prepares and submits-required material for demonstration of the competence in

accordance with the agreed timetable. The student cannot retake the demonstration. If the demonstration is not accepted, the student must complete the Bachelor degree in its entirety. In case of successful completion of the competence performance day, the student will continue studies in the master's programme. Additional information on competence performance day will be provided by the end of June 2017.

Studies, which can be credited in the Bachelor's Degree in Health Sciences

GENERAL STUDIES

352001Y Guidance for Study and Working Experience, Study Tutorials 2 ECTS cr

0,5 ECTS cr of the ECTS cr of the course can be credited based on prior higher education degree.

901040Y Second Official Language (Swedish), Written Skills 1 ECTS cr

901041Y Second Official Language (Swedish), Oral Skills 2 ECTS cr

The courses, 3 ECTS cr in total, can be credited based on prior higher education degree.

902008Y Academic English 3 ECTS cr

The course 3 ECTS cr can be credited based on prior higher education degree.

900008Y Basics of Oral Communication 3 ECTS cr

The course 3 ECTS cr can be credited based on prior higher education degree.

040021Y Knowledge and Research I, Tools 1 ECTS cr

040022Y Knowledge and Research I, Written assignment 1,5 ECTS cr

The courses, 2,5 ECTS cr in total, can be credited based on prior higher education degree.

Students, who don't have prior higher education degree, will complete general studies 17 ECTS cr in accordance with individually prepared Personal Study Plan (e-PSP).

BASIC STUDIES

Basic studies in health sciences 25 ECTS cr can be credited based on prior degree in health care from university of applied sciences or applicable study module in health sciences completed at universities.

Students, who don't have prior degree in health care from university of applied sciences or applicable study modules in health sciences completed at the universities will complete basic studies in accordance with individually prepared Personal Study Plan (e-PSP).

MINOR SUBJECT

The minor subject of 25 ECTS cr can be credited based on prior Master's or doctoral degree.

OPTIONAL STUDIES

Students with prior higher education degree: Optional studies can be credited based on prior higher education degree.

Students with other degree: 53 ECTS cr of the optional studies can be credited based on prior vocational or professional upper secondary education qualifications in health care. The student must, however, complete study

module of Health promotion 25 ECTS or including 352261A Health Promotion 10 ECTS, 353113S The effective patient education in nursing and nursing science 8 ECTS, 352262A Supportive Environments for Health and Wellbeing 7 ECTS.

STUDIES OF BACHELOR DEGREE IN HEALTH SCIENCES PER TERM

1st term / autumn

General studies

352001Y Guidance for Study and Working Experience, Study Tutorials 1,5 ECTS cr

Subject Studies

353234A Health Management Science and Training in Expertise Development 10 ECTS

353235A Nursing Science and Training in Expertise Development 10 ECTS

352253A Research Methods in Health Sciences 5 ECTS

Minor studies 3.5 ECTS

2nd term / spring

General studies

040025Y Knowledge and Research III: Lessons and written examination 1,5 ECTS

040026Y Knowledge and Research III: Small group exercises 1 ECTS

040027Y Knowledge and Research III: Practical project 1 ECTS

Subject Studies

352114A Bachelor Thesis 10 ECTS (Bachelor Thesis includes Knowledge and research II, Literature retrieval 4 ECTS)

352514A Maturity Test 0 ECTS

Minor studies 21.5 ECTS

MASTER OF HEALTH SCIENCES (MHSc) 120 ECTS Credits

Master's Programme in Health Management Science

Learning Objectives for the Master's Programme in Health Sciences

The learning objectives of the Master's Programme correspond to the aims of the Finnish [National Framework for Qualifications and other Learning](#).

Upon completion of the Master's degree in Health Sciences the student is able:

- to acquire and evaluate critically latest information of health management science and to use it independently and innovatively from the health care management and development point of view

- to participate actively in research, expert tasks, management and development in public, private and third sector of the health care

- to communicate orally and in writing in a clear and analytical manner
- to use digital solutions in her/his work as a health care specialist
- to reflect on and evaluate one's own actions and competence and that of other experts and professionals in the operational environment of health care
- to develop one's own knowledge and skills and those of other experts and professionals in the health care in accordance with the changing requirements of the sector
- to conduct research using scientific research methods and to engage in postgraduate studies in health management science.

Structure of the Master's Degree in Health Sciences

Course Structure Diagram 2017 – 2018: <http://webcgi.oulu.fi/studiag/index.php?kieli=6&kaavio=499>

The Master's Degree in Health Sciences consists of following areas of competence: Health Management Science Skills, Scientific Practices and Research Skills, Minor Subject and Optional Studies.

ADVANCED STUDIES 85 ECTS cr

Health Management Science Skills 70 ECTS cr

Studies included in the area of competence:

- 353217S Multiprofessional Management 10 ECTS cr
- 353208S Reflection and Application in Management part I 5 ECTS cr
- 353238S Reflection and Application in Management part II 5 ECTS cr
- 353224S Research Seminars 10 ECTS cr
- 353408S Synthesis in Health Management Science part I 5 ECTS cr
- 353409S Synthesis in Health Management Science part II 5 ECTS cr
- 353206S Master Thesis 30 ECTS cr including:
 - 353236S Master Thesis Part I research plan 10 ECTS cr
 - 353237S Master Thesis part II, 20 ECTS cr
- 353205S Written Maturity Test 0 ECTS cr

Scientific Practices and Research Skills 15 ECTS cr

Studies included in the area of competence:

353203S The Application of Research Methods in Health Sciences 10 ECTS cr

3532252S Methods of Statistical Analysis in Health Sciences

MINOR SUBJECT 25 ECST cr

The student may orient the studies according to personal objectives and Personal Study Plan (e-PSP) by including in the degree university level study modules (at least 25 ECTS cr) of different sciences completed / to be completed in Finland or abroad.

Information about the minor subjects offered by faculties of the University of Oulu you will find here <http://www oulu.fi/university/node/34982>.

OPTIONAL STUDIES 10 ECTS cr

Optional studies are basic, intermediate or advanced studies and study modules completed at the Research Unit of Nursing Science and Health Management or at other units of the University of Oulu and at other national/international universities. Optional studies may include single study units. If minor studies include study module of 35 ECTS cr, no optional studies are required.

Arrangements for Recognition of Prior Learning

Recognition of prior learning (RPL) follows the main principles as defined by the University of Oulu. According to [University of Oulu Education Regulations](#) paragraph 27 *Accreditation of studies taken elsewhere and recognition of prior learning*, the principles concerning accrediting studies taken in other Finnish and foreign universities and other educational institutions are stipulated in the curricula or other regulations, unless they have not been stipulated elsewhere. For further information see <http://www oulu.fi/university/node/34963>

Recognition of studies based on prior Master's degree in health care from university of applied sciences, and studies completed at other universities requires separate application procedure. Application forms can be found in web pages of the Faculty of Medicine of the University of Oulu <http://www oulu.fi/ltk/node/1617>.

Application for recognition of prior learning has to be submitted to the teacher responsible for the study unit in question. The decision is made by the Programme Director of the Master's Programme in Health Management Science.

Studies to be credited in Master's Degree in Health Sciences

Based on a previous Master's or Doctoral degree 25-50 ECTS cr may be credited in the optional studies by the Director of the master's programme. The student must submit a written application for recognition of prior studies with explanation of how the prior studies supplement the current degree studies in health management sciences (RPL- process).

STUDIES OF MASTER'S DEGREE IN HEALTH SCIENCES PER TERM

1st year / autumn term

Scientific Practices and Research Skills

352252S Methods of Statistical Analysis in Health Sciences 5 ECTS cr

353203S The Application of Research Methods in Health Sciences 10 ECTS cr

Minor Subject 15 ECTS cr

1st year /spring term

Health Management Science Skills

353217S Multiprofessional Management 10 ECTS cr

353224S Research Seminars 5 ECTS cr

353236S Master Thesis Part I research plan, 5 ECTS cr

Minor Subject 10 ECTS cr

2nd year / autumn term

Health Management Science Skills

353224S Research Seminars 5 ECTS cr

353236S Master Thesis Part I research plan, 5 ECTS cr

353208S Reflection and Application in Management part I, 5 ECTS cr

353408S Synthesis in Health Management Science part I 5op

353237S Master Thesis Part II 10 ECTS cr

2nd year /spring term

Health Management Science Skills

353237S Master Thesis Part II 10 ECTS cr

353238S Reflection and Application in Management part II, 5 ECTS cr

353408S Synthesis in Health Management Science part II, 5 ECTS cr

353205S Written Maturity Test 0 ECTS cr

Optional studies 10 ECTS cr

Tutkintorakenteet

**Undergraduate Multidisciplinary Degree Programme in Health Sciences,
BHSc**

Tutkintorakenteen tila: published

Lukuvuosi: 2017-18

Lukuvuoden alkamispäivämäärä: 01.08.2017

General Studies (vähintään 17 op)

See crediting principles in Course catalogue 2017-18 and in individual course descriptions.

352001Y: Guidance for Study and Working Experience, Study Tutorials, 2 op

Language and Communication Skills (vähintään 15 op)

See crediting principles in the text part of the Course catalogue 2017-18 and individual course descriptions. Knowledge and research II is included in the Bachelor Thesis.

902008Y: Academic English, 3 op

900008Y: Basics of Oral Communication, 3 op

A500105: Knowledge and Research, 3,5 - 10,5 op

040024Y: Knowledge and research II, Literature retrieval, 4 op

040025Y: Knowledge and research, Lessons and written examination, 1,5 op

040027Y: Knowledge and research, Practical project, 1 op

040026Y: Knowledge and research, Small group exercises, 1 op

040021Y: Knowledge and research, Tools, 0,5 - 1 op

040022Y: Knowledge and research, Written assignment, 1,5 op

901041Y: Second Official Language (Swedish), Oral Skills, 2 op

901040Y: Second Official Language (Swedish), Written Skills, 1 op

Health Sciences Basic Studies (vähintään 25 op)

Part of the Health Sciences' area of competence (in total 55 ECTS cr).

See crediting principles in the text part of the Course catalogue 2017-18 and individual course descriptions.

351205P: Foundations of Health Care Education, 5 op

351207P: Foundations of Health Care Legislation, 5 op

351204P: Foundations of Philosophy and Research Methods in Health Sciences, 5 op

351206P: Health Care Systems in Finland and Inter-professional Networking, 5 op

351203P: Introduction to Health Sciences, 5 op

Health Sciences Subject Studies (vähintään 35 op)

30 ECTS cr of the subject studies come under area of competence "Health sciences" and 5 ECTS cr - under area of competence "Scientific Practices and Research Skills".

352114A: Bachelor thesis, 6 op

353234A: Health Management Science and Training in Expertise Development, 10 op

352514A: Maturity test, 0 op

353235A: Nursing Science and Training in Expertise Development, 10 op

352253A: Research Methods in Health Science, 5 op

Minor Subject (vähintään 25 op)

The minor subject studies for the undergraduate degree in Bachelor of Health Sciences must include at least one study module of university level with not less than 25 ECTS cr. It can be, for example, Health Promotion study module (25 ECTS cr), organized by the Research Unit of Nursing Science and Health Management (University of Oulu) including the courses listed below. Those Bachelor students with major in nursing science, who apply for

Master's Programme in Health Sciences Teacher Education, the obligatory minor subject is Basic Studies in Education or in Adult Education (25 ECTS cr). They must be completed during Bachelor studies, if not completed earlier.

See crediting principles in the text part of the Course catalogue 2017-18.

Health Promotion 25 ECTS:

352261A Health Promotion 10 ECTS

353113S The Effective Patient Education in Nursing and Nursing Science 8 ECTS

335562A Supportive Environments for Health and Wellbeing 7 ECTS

Optional Studies (vähintään 78 op)

Optional studies are basic studies, intermediate studies or advanced studies and study modules completed at the Research Unit of Nursing Science and Health Management, other units of the University of Oulu and at other national /international universities. Optional studies may include single courses. See crediting principles in the text part of the Course catalogue 2017-18.

Master's Programme in Health Management Science, MHS

Tutkintorakenteen tila: published

Lukuvuosi: 2017-18

Lukuvuoden alkamispäivämäärä: 01.08.2017

Advanced Studies 85 ECTS cr / Health Management Science skills 70 ECTS cr (vähintään 70 op)

353206S: Master Thesis, 30 op

353236S: Master Thesis Part I research plan, 10 op

353237S: Master Thesis part II, 20 op

353217S: Multiprofessional Management, 10 op

353208S: Reflection and Application in Management part I, 5 op

353238S: Reflection and Application in Management part II, 5 op

353224S: Research Seminars, 10 op

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

353409S: Synthesis in Health Management Science Part II, 5 op

353205S: Written maturity test, 0 op

Advanced studies 85 ECTS cr / Scientific practices and research skills 15 ECTS cr (vähintään 15 op)

352252S: Methods of Statistical Analysis in Health Sciences, 5 op

353203S: The Application of Research Methods in Health Sciences, 10 op

Minor Subject (vähintään 25 op)

Study modules of at least 25 ECTS cr completed at the University of Oulu or other universities according to electronic Personal Study Plan (ePSP).

Optional Studies (vähintään 10 op)

Studies completed at the University of Oulu or other universities according to electronic Personal Study Plan (ePSP). If minor studies include study module of 35 ECTS cr, no optional studies are required.

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuuluvien opintokohteiden kuvaukset

352001Y: Guidance for Study and Working Experience, Study Tutorials, 2 op

Voimassaolo: 01.08.2017 -

Opiskelumuoto: General Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Kristina Mikkonen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS cr

Language of instruction:

Finnish

Timing:

1st autumn term, 1st period. Obligatory course for the first year students.

Learning outcomes:

During the course the student will integrate into university and multi-disciplinary scientific community and into the student group of one's discipline. The student will learn to plan one's studies and career, and to evaluate one's expertise and actions as a learner in relation to one's career plans. The student will receive a clear conception of the studies as a part of a lifelong learning process.

Contents:

The University of Oulu and the Research Unit of Nursing Science and Health Management as learning environment. Student's status, rights and obligations. Student organizations. Presentation of degree programmes, planning of studies, study techniques, assessment, tutorials with senior tutor. Planning of own career - goals, recognition of one's strengths/weaknesses, development and orientation of working life skills with help of studies.

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Tutorials with senior tutor 3h. Contact teaching 17h including small group counselling, info-meetings. Participation in and planning of events of research unit 20h including learning development day and alumni meetings. Independent studying 14h.

Target group:

Undergraduate health science students.

Prerequisites and co-requisites:

None

Recommended or required reading:

Current scientific literature and research

Assessment methods and criteria:

Continuous assessment. Active participation in events and lectures, preparing of the Personal Study Plan (e-PSP) and its evaluation.

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

Grading:

pass / fail

Person responsible:

University teacher, doctoral candidate

Working life cooperation:

Visit to a social welfare and health care organization, alumni meeting.

Other information:

0,5 ECTS cr of this course can be credited on the basis of prior higher education degree.

902008Y: Academic English, 3 op

Voimassaolo: 01.08.1995 -

Opiskelumuoto: Language and Communication Studies

Laji: Course

Vastuuyksikkö: Languages and Communication

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: English

Leikkaavuudet:

ay902008Y Academic English (OPEN UNI) 3.0 op

Proficiency level:

CEFR B2/C1

Status:

Compulsory course

Required proficiency level:

Students are expected to have had English as their A1 or A2 language at school or have acquired equivalent skills.

ECTS Credits:

3 ECTS credits

Language of instruction:

English

Timing:

1st year spring term or 2nd year spring term (the course is offered every other academic year.)

Learning outcomes:

Having completed the course, students will be able to

- understand and summarize academic/scientific texts in their own field within health sciences
- use appropriate academic/scientific vocabulary of their own field in writing short text types (bio, cover letter, questionnaire, survey, summary/abstract),
- use English to communicate knowledge and express opinion in conversations related to their profession,
- respond appropriately and convincingly to the contribution of other speakers in a professional or academic conversation, meeting and/or conference,
- give a presentation on a professional or academic topic related to their field.

Contents:

The course material is a selection of relevant academic and professional literature. Based on this, the English language practice tasks have been designed to support the communicative and professional development of students of health science education, health science administration and management.

Mode of delivery:

Contact and online teaching, independent study.

Learning activities and teaching methods:

Reading journal articles, composing glossaries on self-chosen articles, presenting and discussing them; preparing a questionnaire in your own field and an accompanying cover letter; academic writing with a special focus on short text types in the field of Health Sciences (summary/ abstract, bio, cover letter, questionnaire, survey); presentation skills and giving a field-related presentation. During the course, you will develop your speaking skills necessary in professional conversations, job interviews, meetings and/or conferences, etc.

Contact teaching and tutorials (24 hrs), completion of home assignments: journals, glossaries, questionnaire and cover letter (20 hrs), presentation of self-selected literature (16 hrs) and writing tasks (20 hrs). Some course work can be completed online.

Target group:

Students in the degree programs of Health Sciences (nursing science, teacher education program in health sciences, and health management science).

Prerequisites and co-requisites:

-

Recommended optional programme components:

-

Recommended or required reading:

Specific texts and material prepared by the teacher. Information will be provided at the beginning of the course.

Material will be available in Optima.

Assessment methods and criteria:

The course requirements include active participation in classroom work (24 hrs) and completion of home assignments: journals, glossaries, questionnaire and cover letter (20 hrs), presentation of self-selected literature (16 hrs) and writing tasks (20 hrs). Alternatively, an end-of-course examination may be offered. Some course work can be completed online.

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

Grading:

pass/fail

Person responsible:

Satu Rusko

Working life cooperation:

-

Other information:

In line with the recognition of prior learning regulations in place at the university (see: <http://www oulu fi/kielikoulutus/ahot>), other language courses completed in a higher educational institution will be accepted provided they cover the relevant field and level of communication (B2 on the CEFR scale). Students who completed their upper secondary or higher education in an English language programme/country, and/or IB- diploma, or passed the English language exemption test (reading comprehension and written / oral production) will be exempted from the course in accordance with the recognition of prior learning process. (See: AHOT <http://www oulu fi/kielikoulutus/ahot>)

Students who wish **to be exempted from attendance** can take an **exemption test** in reading field-related academic texts and give an academic presentation. In this way **students can obtain the credits without attendance**. The exemption exam is voluntary and can be taken only once. Students **who wish to do this should inform the contact teacher** (satu.rusko(at)oulu.fi) by the end of January. The exemption test and presentation of oral production will be organised during February-March. Students not exempted in the above ways are required to participate in the course. Information on the time and place of the classes is provided on the home pages of the Department of Health Sciences.

900008Y: Basics of Oral Communication, 3 op

Voimassaolo: 01.08.1995 -

Opiskelumuoto: Language and Communication Studies

Laji: Course

Vastuuyksikkö: Languages and Communication

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay900008Y Basics of Oral Communication (OPEN UNI) 3.0 op

Proficiency level:

-

Status:

-

Required proficiency level:

-

ECTS Credits:
3 ECTS

Language of instruction:
Finnish

Timing:
2nd year spring term. Next time on Spring 2019.

Mode of delivery:
Contact teaching

Learning activities and teaching methods:
26 hours of contact teaching and approximately 55 hours of independent study.

Recommended optional programme components:
-

Recommended or required reading:
Material provided by the teacher.

Grading:
pass / fail

Person responsible:
Mikkola, Outi

Working life cooperation:
-

Other information:
-

A500105: Knowledge and Research, 3,5 - 10,5 op

Voimassaolo: 09.01.2015 -

Opiskelumuoto: Other Entity

Laji: Study module

Vastuuyksikkö: Medicine

Arvostelu: 1 - 5, pass, fail

Opettajat: Pentti Nieminen

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

040024Y: Knowledge and research II, Literature retrieval, 4 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: General Studies

Laji: Course

Vastuuyksikkö: Medicine

Arvostelu: 1 - 5, pass, fail

Opettajat: Pentti Nieminen

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay040024Y Knowledge and research II, Literature retrieval (OPEN UNI) 4.0 op

ECTS Credits:

4 ECTS cr

Timing:

1st year

Learning outcomes:

Upon completion of the course the student is familiar with the research process and with the characteristics of scientific information. The student acknowledges significance of scientific publications and is able to evaluate and use critically information sources. The student is able to use the key reference databases and basics of literature retrieval

in medical, dental and health sciences and has learned to evaluate results of the retrieval and sources. The student is able to make good use of reference management software.

The student is familiar with basic principles of research ethics and good scientific practice. The student knows the phases and practices of publishing process.

The student is familiar with the main characteristics and analysis of research frames. The student is able to evaluate the role of different kind of illusions and coincidences in research results. The student has acquired preliminary knowledge of retrieval and statistical processing of data. The student is able to evaluate critically scientific publications in which statistical methods are applied. The student is familiar with principles of sound reporting of the research results.

Contents:

Scientific information:

General characteristics of scientific research, significance of scientific information, ethics in research, research methods from different points of view (clinical medicine, epidemiology, biomedicine and health sciences).

Reading of a scientific article:

Scientific journals and phases of publishing process, bibliometric, ethics of scientific communication, approaches and questions of different fields of medicine and health sciences, structure of a scientific article, research frames, possible illusions in research, statistical analysis of data and reporting the results, statistical and clinical significance, systematic reviews and meta-analyses.

Literature retrieval:

Library information services, medical and dental publications, scientific online journals, Medline, Medic, CINAHL, Scopus, Web of Science, Cochrane, electronic books, reference management software.

Special characteristics in medical research:

Ethical guidelines, regulations in clinical drug research, use of laboratory animals in scientific research, research groups.

Mode of delivery:

Blended teaching.

Learning activities and teaching methods:

040024Y (4 op) Knowledge Management and Research, Literature retrieval

Target group:

1st year Bachelor students of the Degree Programme in Health Sciences

2nd year Bachelor students of medical wellness technology

Prerequisites and co-requisites:

None.

Recommended optional programme components:

Knowledge Management and Research I (Tools; Written assignment) and III (Lessons and written examination; Small group exercises; Practical project)

902006Y Reading for Academic Purposes

902007Y Scientific Communication

Recommended or required reading:

Handouts / information from lectures and supplementary material for lessons in small groups

Assessment methods and criteria:

Participation in contact teaching obligatory for all students, active participation in group exercises and completion of learning assignments.

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

Grading:

1,2,3,4,5, fail

Recognition of prior learning: The student has completed earlier study unit in scientific communication (basics of scientific research) covering specific features of dental, medical or health sciences and study unit with introduction to information retrieval and use of reference databases.

Person responsible:

University lecturer Pentti Nieminen

Working life cooperation:

None.

Other information:

From 2015 Curriculum onward, 040024Y Knowledge and research, literature retrieval 4 ECTS cr substitutes part of the earlier 040012Y-04 Scientific communication, assignments.

From 2017 Curriculum onward, for Bachelor students of degree programme in health sciences the Knowledge and research II is integrated in course 352114A Bachelor thesis 10 ECTS cr.

040025Y: Knowledge and research, Lessons and written examination, 1,5 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: General Studies

Laji: Course

Vastuuyksikkö: Medicine

Arvostelu: 1 - 5, pass, fail

Opettajat: Pentti Nieminen

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay040025Y Knowledge and research, Lessons and written examination (OPEN UNI) 1.5 op

ECTS Credits:

1,5 ECTS

Timing:

1st year Bachelor students of degree programme in health sciences

2nd year Students of degree programmes in medicine and dentistry

3rd year Bachelor students of medical wellness technology

Learning outcomes:

Upon completion of the course, the student is familiar with basics and main methods of planning, data retrieval, analysis, reporting and statistical inference of statistical research in medical, dental and health sciences. The student is able to evaluate critically scientific publications, which have applied statistical methods.

Contents:

Aims and phases of statistical research, from research plan to practice, retrieval of data, inspection of variable distributions (frequencies, graphs and statistics), basics and methods in statistical inference (estimates, significance tests and confidence limits), basic methods in comparing groups and estimating associations between variables, specific methods applied in medical statistical research. Critical approach when reading scientific articles.

Mode of delivery:

Contact teaching.

Learning activities and teaching methods:

040025Y Knowledge and research, Lessons and written examination, 1.5 ECTS cr.

Target group:

Medical, dental and medical wellness technology students, Bachelor students of the degree programme in health sciences.

Prerequisites and co-requisites:

None.

Recommended or required reading:

Handouts/material from lectures and supplementary material for group exercises.

Uhari M ja Nieminen P: Epidemiologia ja biostatistiikka. Toinen painos Duodecim, 2012.

Assessment methods and criteria:

Written exam on lectures and supplementary material.

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

Grading:

1,2,3,4,5, fail

Recognition of prior learning: The student has completed earlier at least 6 ECTS cr in statistics at the university. If the number of ECTS cr completed earlier is lower than 6 ECTS cr, the student must agree on supplementary studies with responsible teacher separately.

Person responsible:

University lecturer Pentti Nieminen

040027Y: Knowledge and research, Practical project, 1 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: General Studies

Laji: Course

Vastuuyksikkö: Medicine

Arvostelu: 1 - 5, pass, fail

Opettajat: Pentti Nieminen

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay040027Y Knowledge and research, Practical project (OPEN UNI) 1.0 op

ECTS Credits:

1 ECTS

Timing:

1st year Bachelor students of the degree programme in health sciences

2nd year Students of degree programmes in medicine and dentistry

3rd year Bachelor students of medical wellness technology

Learning outcomes:

Upon completion of the course the student is able to apply independently basic statistical methods for analysis of research data. The student masters reporting of results in accordance with good scientific reporting practices.

Contents:

Statistical basic methods, basics of statistical software, reporting of results, writing instructions.

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

040027Y Knowledge and research, Small group exercises, 1 ECTS cr

Target group:

Medical, dental and medical wellness technology students, Bachelor students of the degree programme in health sciences.

Prerequisites and co-requisites:

None

Recommended or required reading:

Handouts/material from lectures and supplementary material for group work.

Uhari M ja Nieminen P: Epidemiologia ja biostatistiikka. Toinen painos Duodecim, 2012.

Assessment methods and criteria:

Written assignment which the student submits in Optima by given date. Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

Grading: Pass/fail. Recognition of prior learning: The student has completed earlier at least 6 ECTS cr in statistics at the university. If the number of ECTS cr completed earlier is lower than 6 ECTS cr, the student must agree on supplementary studies with responsible teacher separately.

Person responsible:

University lecturer Pentti Nieminen

040026Y: Knowledge and research, Small group exercises, 1 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: General Studies

Laji: Course

Vastuuyksikkö: Medicine

Arvostelu: 1 - 5, pass, fail

Opettajat: Pentti Nieminen

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay040026Y Knowledge and research, Small group exercises (OPEN UNI) 1.0 op

ECTS Credits:

1 ECTS

Timing:

Timing

1st year Bachelor students of degree programme in health sciences

2nd year Students of degree programmes in medicine and dentistry

3rd year Bachelor students of medical wellness technology

Learning outcomes:

Upon completion of the course the student is familiar with basics and methods of statistical computing in the fields of medicine, dentistry and health sciences. The student is able to use independently statistical software for analysis of research data.

Contents:

Statistical basic methods: variable distributions (frequencies, graphs and statistics), basics and methods of statistical inference (estimates, significance tests and confidence limits), basic methods for comparing groups and estimating associations between variables.

Mode of delivery:

Contact teaching

Learning activities and teaching methods:

040026Y Knowledge and research, Small group exercises, 1 ECTS cr.

Target group:

Medical, dental and medical wellness technology students, Bachelor students of the degree programme in health sciences.

Prerequisites and co-requisites:

None

Recommended or required reading:

Handouts/material from lectures and supplementary material for group work

Uhari M ja Nieminen P: Epidemiologia ja biostatistiikka. Toinen painos Duodecim, 2012.

Assessment methods and criteria:

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

Grading:

Pass/fail. Recognition of prior learning: The student has completed earlier at least 6 ECTS cr in statistics at the university. If the number of ECTS cr completed earlier is lower than 6 ECTS cr, the student must agree on supplementary studies with responsible teacher separately.

Person responsible:

University lecturer Pentti Nieminen

Working life cooperation:

No.

040021Y: Knowledge and research, Tools, 0,5 - 1 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: General Studies

Laji: Course

Vastuuyksikkö: Medicine

Arvostelu: 1 - 5, pass, fail

Opettajat: Pentti Nieminen

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Timing:

1st year.

Learning outcomes:

Upon completion of the course the student is familiar with the information technology infrastructure provided for joint use by the University of Oulu. The student is able to use independently workstations and telecommunication services of the Faculty of Medicine and software and library services most relevant for studies. The student masters basics of scientific writing.

Contents:

Workstations, information security and privacy protection, telecommunication networks, software relevant for studies, basics of scientific writing.

Guidelines for written assignments and word processing:

Structure of written assignments / thesis, reporting of findings, tables and graphs, citing and references.

Mode of delivery:

Blended teaching.

Learning activities and teaching methods:

040021Y (1 ECTS) Knowledge Management and Research, Tools

Target group:

Bachelor students of the Degree Programme in Health Sciences.

Prerequisites and co-requisites:

None.

Recommended optional programme components:

Knowledge Management and Research II
902006Y Reading for Academic Purposes
902007Y Scientific Communication

Recommended or required reading:

Handouts/information from lectures and supplementary material for lessons in tutorial groups.

Assessment methods and criteria:

Active participation in lessons in tutorial groups; completion of learning assignments with pass.
Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

Pass/fail.

Recognition of prior learning: From 2017 Curriculum onward, this study unit can be credited for Bachelor students of the Degree Programme in Health Sciences on the base of prior higher education degree.

Person responsible:

University lecturer Pentti Nieminen

Working life cooperation:

None

Other information:

From 2015 Curriculum onward, A500105 is substituting course 040012Y Knowledge and research

040022Y: Knowledge and research, Written assignment, 1,5 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: General Studies

Laji: Course

Vastuuyksikkö: Medicine

Arvostelu: 1 - 5, pass, fail

Opettajat: Pentti Nieminen

Opintokohteen kielet: Finnish

ECTS Credits:

1,5 ECTS cr

Timing:

1st year

Learning outcomes:

Upon completion of the course the student masters basics of scientific writing. The student is familiar with the scientific writing process and is able to plan and produce a written assignment. The student is able to define the topic of a written assignment, follow the given writing instructions and, when writing, apply principles of good scientific practice.

Contents:

Structure of written assignments / thesis, text arrangement and editing, linguistic form, reporting of findings, tables and graphs, citing and references, bibliography.

Mode of delivery:

Blended teaching.

Learning activities and teaching methods:

040022Y (1,5 ECTS) Knowledge and Research, Written assignment

Target group:

Bachelor students of the Degree programme in Health Sciences

Prerequisites and co-requisites:

None.

Recommended optional programme components:

Knowledge and Research, Literature retrieval

Recommended or required reading:

Handouts / information from lectures, guidebook for written assignments and writing instructions

Assessment methods and criteria:

Completion of an independent written practical assignment with pass.
Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

Pass/fail. Recognition of prior learning: From 2017 Curriculum onward, this course can be credited for Bachelor students of the Degree Programme in Health Sciences on the base of prior higher education degree.

Person responsible:

University lecturer Pentti Nieminen.

Working life cooperation:

None

Other information:

From 2015 Curriculum onward, A500105 is substituting course 040012Y Knowledge and research

901041Y: Second Official Language (Swedish), Oral Skills, 2 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: Language and Communication Studies

Laji: Course

Vastuuyksikkö: Languages and Communication

Opintokohteen kielet: Swedish

Leikkaavuudet:

ay901041Y Second Official Language (Swedish), Oral Skills (OPEN UNI) 2.0 op

901040Y: Second Official Language (Swedish), Written Skills, 1 op

Voimassaolo: 01.08.2014 -

Opiskelumuoto: Language and Communication Studies

Laji: Course

Vastuuyksikkö: Languages and Communication

Opintokohteen kielet: Swedish

Leikkaavuudet:

ay901040Y Second Official Language (Swedish), Written Skills (OPEN UNI) 1.0 op

351205P: Foundations of Health Care Education, 5 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay351205P Foundations of Health Care Education (OPEN UNI) 5.0 op

ECTS Credits:

5 ECTS cr

Language of instruction:

Finnish

Timing:

Autumn term

Learning outcomes:

The student is able to define and describe general principles of Finnish social and healthcare education system (ISCED-classification) and main features of the programmes of the Finnish National Board of Education. The student is able to identify main goals, strategies, international collaboration and partners of the Finnish Ministry of Education and Culture. The student is able to structure gained knowledge in learning diary and in assessment of one's learning.

Contents:

Social and health care education system. Objectives, goals and different education and training policies of Finnish education/education system. Legislation of Finnish higher education. Internationalization of Finnish higher education institutions.

Mode of delivery:

Tutored studying in the e-learning environment Optima.

Learning activities and teaching methods:

Independent studying, reading of literature 60h, peer evaluation of learning diaries 17h, evaluation of retrieved information and preparation of written assignments 58h.

Target group:

Undergraduate health science students.

Prerequisites and co-requisites:

None

Recommended or required reading:

Materials, publications on website of the Ministry of Education and Culture, legislation related to higher education, publications of Central Statistical Office of Finland/ISCED.

Assessment methods and criteria:

Independent studying, familiarizing with literature and completion of written assignments. Continuous assessment is applied.

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

Grading:

Pass / fail

Person responsible:

University teacher / Doctoral candidate (nursing science)

Working life cooperation:

Working life cases are integrated into the course assignments.

Other information:

This course is part of the Basic Studies in Health Sciences, which can be credited based on prior degree in health care completed at the University of Applied Sciences or applicable study modules in health sciences completed at the universities. Students who don't have prior degree in health care from university of applied sciences or applicable study modules in health sciences completed at the universities will complete Basic Studies in accordance with individually prepared electronic Personal Study Plan (e-PSP).

351207P: Foundations of Health Care Legislation, 5 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay351207P Foundations of Health Care Legislation (OPEN UNI) 5.0 op

ECTS Credits:

5 ECTS cr

Language of instruction:

Finnish

Timing:

Autumn term

Learning outcomes:

The student is able to define principals of Finnish health care legislation. The student is able to describe and evaluate critically foundations of health care management.

Contents:

Legislation in health care (promotion of health, social and health services, staff of social and health care services, equality). Legislation in health care administration, basics of health care management.

Mode of delivery:

Tutored studying in the e-learning environment "Optima".

Learning activities and teaching methods:

Independent studying, reading of literature 77h, evaluation of retrieved information and completion of a written assignment 58h.

Target group:

Undergraduate health science students.

Prerequisites and co-requisites:

None

Recommended or required reading:

Websites and publications of the Parliament of Finland, the Ministry of Social Affairs and Health, Finland, the Central Statistical Office of Finland and the Ministry of Justice, Finland. Finnish legislation. Other relevant national and international scientific literature.

Assessment methods and criteria:

Active and independent studying. Familiarizing with literature and completion of a written assignment. The course is assessed based on the written assignment.

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

Grading:

Pass / fail

Person responsible:

Doctoral candidate (health management science)

Other information:

This course is part of the Basic Studies in Health Sciences, which can be credited based on prior degree in health care completed at the University of Applied Sciences or applicable study modules in health sciences completed at the universities. Students who don't have prior degree in health care from university of applied sciences or applicable study modules in health sciences completed at the universities will complete Basic Studies in accordance with individually prepared electronic Personal Study Plan (e-PSP).

351204P: Foundations of Philosophy and Research Methods in Health Sciences, 5 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay351204P Foundations of Philosophy and Research Methods in Health Sciences (OPEN UNI) 5.0 op

ECTS Credits:

5 ECTS cr

Language of instruction:

Finnish

Timing:

Autumn term

Learning outcomes:

The student is able to

- define the philosophy, ethics and values of health care
- identify and define the norms and ethical principles which are related to status of the client and are guiding the operations in health care
- identify the most central ethical problems in health care, compare the ethical norms and regulations that are turning out in health care and patient care in relation to different professional and work cultures.
- evaluate critically ethical decision making in the health care.
- define Evidence Based Practice
- identify different stages of a research process and define special characteristics of qualitative and quantitative research.
- identify the main ethical principles of research in health sciences and choose references relevant to one's research
- apply basics of scientific writing in one's own work

Contents:

Ethical principles and professional ethics in health care, discussion of ethical questions from different perspectives and the effect of culture in health care. Evidence-based practice. Preparation of literature review. Special characteristics of qualitative and quantitative research. Stages of a research process. Basics of scientific writing and referencing.

Mode of delivery:

Tutored studying in e-learning environment Optima.

Learning activities and teaching methods:

Independent studying and reading literature 80h, evaluating the retrieved information and writing of an assignment 40h. Preparation for and completion of an on-line exam 15h.

Target group:

Undergraduate students in health science.

Prerequisites and co-requisites:

None

Recommended or required reading:

Materials/reports from webpages of the National Advisory Board on Social Welfare and Health Care Ethics "ETENE", Ethical foundations of the social and health care (publication 32/ETENE), and other relevant national and international scientific literature provided for in Optima.

Assessment methods and criteria:

Active and independent studying is required. Familiarizing with literature and completion of a written assignment. This course will be assessed based on written assignment and on-line exam. Continuous assessment including self-evaluation and teacher's evaluation.

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

Grading:

Pass / fail

Person responsible:

Doctoral candidate (nursing science)

Working life cooperation:

Working life cases are integrated into the course assignments.

Other information:

This course is part of the Basic Studies in Health Sciences, which can be credited based on prior degree in health care completed at the University of Applied Sciences or applicable study modules in health sciences completed at the universities. Students who don't have prior degree in health care from university of applied sciences or applicable study modules in health sciences completed at the universities will complete Basic Studies in accordance with individually prepared electronic Personal Study Plan (e-PSP).

351206P: Health Care Systems in Finland and Inter-professional Networking, 5 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay351206P Health Care Systems in Finland and Inter-professional Networking (OPEN UNI) 5.0 op

ECTS Credits:

5 ECTS cr

Language of instruction:

Finnish

Timing:

Autumn term

Learning outcomes:

The student is able to define principles of the Finnish health care system and public health programs and compare them to programs of the World Health Organization. The student is able to identify main functions and forms of inter-professional networking in health care. The student is able to deepen one's knowledge and apply it in one's learning assignment. The student is able to plan and structure a new health promotion program and justify it ethically, scientifically and from a client's health perspective.

Contents:

Ministry of Social Affairs and Health, its goals and duties/responsibilities, strategies and programmes. National Institute for Health and Welfare, Finnish health care policy. Finnish social and health care services, organizations and social security. World Health Organization. Planning of an inter-professional health promotion programme. Inter-professional co-operation and support for the client.

Mode of delivery:

Tutored studying in the e-learning environment "Optima".

Learning activities and teaching methods:

Independent studying in "Optima". During the first part of the course: reading of literature and on-line exam 81h.

During the second part of the course: reading of literature 40 h, writing an essay and designing a health promotion leaflet 20h.

Target group:

Undergraduate health science students.

Prerequisites and co-requisites:

None

Recommended or required reading:

Materials, publications on the websites of the Ministry of Social Affairs and Health, the National Institute for Health and Welfare, the World Health Organization. Finnish legislation of social and health care, relevant scientific literature.

Assessment methods and criteria:

Independent studying. During the first part: reading of literature and on-line exam. During the second part: creating a health promotion leaflet and preparation of a written assignment. In the written assignment the student justifies approach chosen in the leaflet and describes the progress of the work. Continuous assessment based on self-assessment and teacher's assessment is applied.

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

Grading:

Pass / fail

Person responsible:

Doctoral candidate (health management science)

Other information:

This course is part of the Basic Studies in Health Sciences, which can be credited based on prior degree in health care completed at the University of Applied Sciences or applicable study modules in health sciences completed at the universities. Students who don't have prior degree in health care from university of applied sciences or applicable study modules in health sciences completed at the universities will complete Basic Studies in accordance with individually prepared electronic Personal Study Plan (e-PSP).

351203P: Introduction to Health Sciences, 5 op

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay351203P Introduction to Health Sciences (OPEN UNI) 5.0 op

ECTS Credits:

5 ECTS cr

Language of instruction:

Finnish

Timing:

Autumn term

Learning outcomes:

The student is able to use the online learning environment, study independently, and evaluate critically one's learning philosophy, style and process in health science studies. The student is able to define concept of science and field of sciences. The student is able to define and explain the position of health sciences in the field of sciences. The student is capable of identifying current national and international issues of health sciences from perspective of health management science, nursing science and teacher education in health science.

Contents:

E-learning environment Optima, personal learning philosophy, style and process in health science studies. Field of sciences and the position of health sciences in it. Current issues of health sciences.

Mode of delivery:

Tutored studying in the e-learning environment Optima.

Learning activities and teaching methods:

Independent studying, learning to manage the e-learning environment Optima 8h, reading literature and producing a mind map 19h, searching of scientific literature and reading 85h, preparation for and completion of on-line exam 23h.

Target group:

Undergraduate students in health science

Prerequisites and co-requisites:

None

Recommended or required reading:

Literature and other material provided for in E-learning environment Optima, current scientific articles and literature relevant to the topic.

Assessment methods and criteria:

Active and independent study is required. Students familiarize with literature, make literature searches, read current national and international scientific articles, produce a mind map of the course content, and complete on-line exam. Continuous assessment including self-evaluation and teacher's evaluation is applied.

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

Grading:

Pass / fail

Person responsible:

Doctoral candidate (health management science)

Other information:

This course is part of the Basic Studies in Health Sciences, which can be credited based on prior degree in health care completed at the University of Applied Sciences or applicable study modules in health sciences completed at the universities. Students who don't have prior degree in health care from university of applied sciences or applicable study modules in health sciences completed at the universities will complete Basic Studies in accordance with individually prepared electronic Personal Study Plan (e-PSP).

352114A: Bachelor thesis, 6 op**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** 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:

Bachelor studies 1st spring term 3rd and 4th period

Learning outcomes:

Upon completion of the course the student

is able to produce a Bachelor thesis based on scientific literature and/or empirical data following principles of scientific writing and research and demonstrating one's skills in scientific communication.

knows how to use the most important reference databases and basic principles of information retrieval in health sciences, and has learned to evaluate retrieved results and sources.

knows how to use reference management program

is able to explain and discuss one's Bachelor thesis and to produce a scientific presentation or/and poster on the basis of it. The student can choose a topic for her/his Bachelor thesis which enables practical collaboration with external organization, company (e.g. the thesis can be customized to suit clients needs). However, the topic has to be in line with the research projects of the research unit.

Contents:

Planning, implementation, evaluation and presentation of a research process. Writing of a Bachelor thesis based on scientific literature and/or empirical data in accordance with scientific principles. The student prepares the Bachelor thesis with a topic corresponding to her/his major subject. Written maturity test. See 352514A Maturity test.

Mode of delivery:

Group tutoring and seminars

Learning activities and teaching methods:

Tutoring and seminar in small groups 16h, peer evaluation 4h, reading and retrieving of literature 100h, writing of Bachelor thesis 130h, preparation for and completion of the maturity test 12h. Participation and presentation of the thesis in science day 8h.

Target group:

Undergraduate health science students.

Prerequisites and co-requisites:

352253A Research Methods in Health Sciences 5 ECTS. Bachelor Thesis includes 040024Y Knowledge and research II, Literature retrieval 4 ECTS

Recommended or required reading:

Literature relevant to the Bachelor thesis.

Stolt M, Axelin A & Suhonen R (2015) Kirjallisuuskatsaus hoitotieteessä. Hoitotieteen laitoksen julkaisuja, sarja A:73. Turun yliopisto.

Assessment methods and criteria:

Independent studying, tutoring and seminar in small groups, peer-evaluation, writing, presenting and discussing the Bachelor thesis. Written maturity test.

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

Grading:

Pass / Fail

Person responsible:

Doctoral candidate / university lecturer / university teacher

Working life cooperation:

Research topic with working life relevance

Other information:

In accordance with the Government Decree on University Degrees (794/2004) issued by the Council of State, the student must demonstrate that he/she has attained the objectives set for the degree, studies and thesis, and the language proficiency. The student must write a maturity essay which demonstrates conversance with the topic of the thesis and skills in the use of Finnish or Swedish. See 352514A Maturity test.

353234A: Health Management Science and Training in Expertise Development, 10 op

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Marjo Suhonen

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay353234A Health Management Science and Training in Expertise Development 10.0 op

ECTS Credits:

10 ECTS cr

Language of instruction:

Finnish

Timing:

Bachelor studies 1st autumn term 1st and 2nd period

Learning outcomes:

The student

knows history of health management science and is able to name focal research areas and theoretical basics in a manner enabling discussions about health care administration and management phenomena in connection with visits to companies/organizations.

is able to produce a portfolio with working life relevance, which supports development of expertise and long-life learning. In portfolio, the student applies and analyses central concepts, theories and models of health management science using her/his earlier knowledge and skills.

is able to present portfolio with working life relevance interactively using creatively information and communication technology

is able to report development of one's expertise from the perspective of one's earlier education and working life skills. In addition, the student is able to discuss in one's tutorial group requirements, challenges and possibilities of working life cooperation in the fields of health care, education and management.

Contents:

Health management science as a research field and discipline, central concepts and theoretical approaches.

Phenomena of health care administration and management in working life.

Mode of delivery:

Blended teaching using information and communication technology.

Learning activities and teaching methods:

Lectures 10h, seminars 6h, visits to companies/organizations 37h, portfolio 90h and independent studying 127h.

Target group:

Undergraduate health science students.

Prerequisites and co-requisites:

None

Recommended optional programme components:

Due to joint teaching activities and a joint learning assignment, the student has to complete this course simultaneously with the course 353235A Nursing science and training in expertise development.

Recommended or required reading:

Syväjärvi A & Pietiläinen V (toim.) 2016. Inhimillinen ja tehokas sosiaali- ja terveysjohtaminen. Tampere University press. Link to the e-material https://tampub.uta.fi/bitstream/handle/10024/100410/Syvajarvi_%26_Pietilainen_OA.pdf?sequence=1

Vuori J. 2016. Terveys ja johtaminen, Terveystieteiden tutkimuskeskus terveydenhuollon työyhteisössä. Sanoma Pro Oy. Hallinnon tutkimus – journals. Other current scientific literature and research.

Assessment methods and criteria:

Producing a portfolio, visits to companies/organizations.

Grading:

1 - 5 / fail

Person responsible:

Professor

Working life cooperation:

Visits to companies/organizations and reflection of one's competence in relation to requirements of working life.

352514A: Maturity test, 0 op

Voimassaolo: 01.08.2016 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli-Maria Kuivila

Opintokohteen kielet: Finnish

ECTS Credits:

0 ECTS cr

Language of instruction:

Finnish or Swedish; English, if the Bachelor Thesis has been written in English.

Timing:

Varies. The student must complete written maturity test in connection with and as a part of 352114A Bachelor Thesis 10 ECTS cr. The student can register for maturity test as soon as she/he has submitted the thesis for review and the supervisor has given her/his permission to register.

Learning outcomes:

In accordance with the Government Decree on University Degrees (794/2004) issued by the Council of State, the student must demonstrate that he/she has attained the objectives set for the degree, studies and thesis and the language proficiency. The student must write a maturity essay which demonstrates conversance with the topic of the thesis and skills in the use of Finnish or Swedish.

Contents:

Maturity test connected to the field of student's Bachelor thesis.

Mode of delivery:

Written maturity test connected to the Bachelor thesis.

Learning activities and teaching methods:

The student writes the maturity test in one of the national languages, in which she/he has received her/his school education. If the mother tongue of the student is other than Finnish or Swedish, Faculty of Medicine will determine separately required language studies.

Target group:

Bachelor degree students in nursing science, health science teacher education and health management science.

Prerequisites and co-requisites:

352114A Bachelor Thesis 10 ECTS cr participation in which requires completion of 352253A Research Methods in Health Sciences 5 ECTS cr. In addition supervisor's permission to register for maturity test.

Assessment methods and criteria:

See [general instructions](#) of the maturity test at the University of Oulu (in Finnish).

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

Grading:

pass / fail

Person responsible:

Supervisor of the Bachelor thesis and teacher of the university's Languages and Communications of the Oulu Extension School.

353235A: Nursing Science and Training in Expertise Development, 10 op

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Pirjo Kaakinen

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay353235A Nursing Science and Training in Expertise Development 10.0 op

ECTS Credits:

10 ECTS cr

Language of instruction:

Finnish

Timing:

Bachelor studies 1st autumn semester 1st and 2nd period

Learning outcomes:

The student is able to

describe development, research approaches, focuses and research subjects in nursing science. The student is able to apply evidence-based practice and discuss the importance of nursing science in connection with visits to companies/organizations.

produce a portfolio with working life relevance, which supports development of expertise and long-life learning. In portfolio, the student applies and analyses central concepts, theories and models of nursing science using her/his earlier knowledge and skills.

introduce interactively portfolio with working life relevance using creatively information and communication technology report development of one's expertise from the perspective of one's earlier education and working life skills. In addition, the student is able to discuss in groups requirements, challenges and possibilities of working life cooperation from the nursing science's point of view.

Contents:

Development trends, focuses and research subjects in nursing science. The importance of nursing science in development of expertise and evidence-based practice of health care.

Mode of delivery:

Blended teaching using information and communication technology.

Learning activities and teaching methods:

Lectures 10h, seminars 6h, visits to companies/organizations 37h, portfolio 90h and independent studying 127h.

Target group:

Bachelor students of degree programme in health sciences

Prerequisites and co-requisites:

None

Recommended optional programme components:

Due to joint teaching activities and a joint learning assignment, the student has to complete this course simultaneously with the course 353234A Health management science and training in expertise development.

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. 2012. Hoitotiede. 4. uudistettu painos. Sanoma Pro Oy. Helsinki.

Holopainen, A, Junttila K, Jylhä, V, Korhonen, A, Seppänen S. 2013. Johda näyttö käyttöön hoitotyössä. Bookwell Oy, Porvoo (certain parts).

Nursing Science –journal. Other current national and international scientific literature.

Assessment methods and criteria:

Producing a portfolio and visits to companies/organizations.

Grading:

1 - 5 / fail

Person responsible:

Professor

Working life cooperation:

Visits to companies/organizations and reflection of one's competence in relation to requirements of working life.

352253A: Research Methods in Health Science, 5 op

Voimassaolo: 01.01.2017 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

ay352253A Research Methods in Health Science 5.0 op

ECTS Credits:

5 ECTS cr

Language of instruction:

Finnish

Timing:

Bachelor studies 1st spring term 2nd period

Learning outcomes:

Upon completion of the course student is able to

- choose with critical evaluation and in inter-disciplinary collaboration in small groups as team work research methods relevant for the subject of research;
- describe the requirements for good scientific writing;
- use problem solving skills and be creative and flexible in evaluating and applying basic ethical issues related to research and researchers;
- evaluate and define reliability of qualitative and quantitative studies;
- report a research plan with working life relevance using information and communication technology and applying knowledge gained in earlier research method studies.

Contents:

Qualitative and quantitative research: methods of collecting and analyzing data, assessment of reliability, ethical principles, writing of a research plan and a research report.

Mode of delivery:

Blended teaching in pilot cooperation with university of applied sciences.

Learning activities and teaching methods:

Lectures and exercises 25h, seminars 8h, independent and group work 102h.

Target group:

Undergraduate health science students.

Prerequisites and co-requisites:

None

Recommended or required reading:

Polit DF & Beck CT. 2011. Nursing Research. Generating and assessing evidence for nursing practice. Lippincott Williams & Wilkins, Philadelphia (parts of the publication).

Denzin, Norman K. & Lincoln, Yvonna S. (eds.) 2011. The Sage Handbook of Qualitative Research. 4th ed. Thousand Oaks, CA: SAGE. (Parts of the publication including at least part III Strategies of Inquiry ja IV Methods of Collecting and Analyzing Empirical Materials).

Current national and international scientific articles.

Assessment methods and criteria:

Active participation in contact teaching and group work.

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

Grading:

1-5/fail, self- and peer evaluation.

Person responsible:

University lecturers in nursing and health management sciences

Working life cooperation:

Research topic with working life relevance.

353206S: Master Thesis, 30 op

Opiskelumuoto: Advanced Studies

Laji: Diploma thesis

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

30 ECTS cr including following courses:
 353236S Master Thesis Part I research plan 10 ECTS cr
 353237S Master Thesis Part II 20 ECTS cr
 353205S Written maturity test 0 ECTS cr.
 See these individual courses for detailed descriptions.

353236S: Master Thesis Part I research plan, 10 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

10 ECTS cr

Language of instruction:

Language of instruction is Finnish. If needed the course can be completed in English.

Timing:

Master degree studies 1st spring semester, 4th period and 2nd autumn semester, 1st period. Thesis started earlier can be continued during summer.

Learning outcomes:

Upon completion of the course, the student is able to
 justify critically one's research topic with working life relevance, plan and create independently acceptable research plan
 evaluate, apply and justify methodological choices in the different stages of the research plan
 analyze and give feedback on peer research plan using information and communication technology
 produce Master Thesis

Contents:

Idea paper, agreement of supervision, drafting a research plan. Scientific group discussions and peer-evaluation of research plan.

Mode of delivery:

Individual tutoring in group using information and communication technology

Learning activities and teaching methods:

Group tutoring 7h, reading and retrieving of the literature/research data 173h, writing of research plan 90h.

Target group:

Master Degree students in health management science.

Prerequisites and co-requisites:

The student must have completed with pass research methodology studies included in the Bachelor degree and Bachelor Thesis.

Recommended optional programme components:

Thesis seminar

Recommended or required reading:

Current research and literature on research methodology.
 Polit D F & Beck CT 2011. Nursing research: generating and assessing evidence for nursing practice. 9. ed. Wolters Kluwer Health/Lippincott Williams & Wilkins, Philadelphia.

Assessment methods and criteria:

Continuous assessment is applied. Discussions of topic/idea of the thesis will take place in May. On the basis of the discussions the student will be able to rework one's thesis also during summer. The student will prepare the thesis either alone or with another student under supervision of 1 - 2 teachers. If the student hasn't completed written maturity test in connection with the Bachelor's thesis, it has to be completed in connection with the Master thesis. Read more about [assessment criteria](#) at the University of Oulu webpage.

Grading:

pass / fail, self- and peer-assessment

Person responsible:

Professor, university lecturer

Working life cooperation:

Topic of the thesis related to health care and with working life relevance will be discussed and chosen in collaboration with representation from working life.

353237S: Master Thesis part II, 20 op

Opiskelumuoto: Advanced Studies

Laji: Diploma thesis

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

20 ECTS cr

Language of instruction:

Language of instruction is Finnish. If needed the course can be completed in English.

Timing:

Master degree studies 2nd autumn semester, 2nd period and 2nd spring semester, 3rd period.

Learning outcomes:

Upon completion of the course, the student is able to prepare independently or as a member of a research group thesis or scientific article and while doing so, as an expert, apply and analyze information and skills on research methodology gained during one's studies based on one's expertise produce a thesis with working life relevance on schedule agreed on in agreement of supervision.

master research methods she/he has used in her/his thesis, reason analytically and solve problems

evaluate and draft conclusions critically and justify decisions made within one's thesis

participate in scientific discussions and in postgraduate education

Contents:

International scientific research related to the topic and research methods of the Master Thesis. Producing a Master thesis or a scientific article in accordance with criteria set for scientific research. Critical discussion on thesis and presentation of results and conclusions.

Mode of delivery:

Individual tutoring in groups using information and communication technologies.

Learning activities and teaching methods:

Tutoring in groups and work in peer groups 13h, reading and retrieving of the literature/research data 348h, writing of thesis or an article 179h.

Target group:

Master Degree students in health management science.

Prerequisites and co-requisites:

The student must have completed with pass 353236S Master Thesis Part I research plan 10 ECTS cr and have agreement of supervision.

Recommended optional programme components:

Thesis seminar

Recommended or required reading:

Current research and literature on research methodology.

Polit D F & Beck CT 2011. Nursing research: generating and assessing evidence for nursing practice. 9. ed. Wolters Kluwer Health/Lippincott Williams & Wilkins, Philadelphia.

Assessment methods and criteria:

Continuous assessment. Individual work or work in pairs under supervision of one to two supervisors. When agreed on separately, the Master thesis can also be produced in form of a scientific article. If the student hasn't completed written maturity test in connection with the Bachelor's thesis, the written maturity test has to be completed in connection with the Master thesis.

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

Grading:

1-5 / fail

Person responsible:

Professor, university lecturer

Working life cooperation:

The student is able to produce a thesis that has working life relevance and supports student's own expertise.

353217S: Multiprofessional Management, 10 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

10 ECTS cr

Language of instruction:

The language of instruction is Finnish. When necessary, the course can be completed in English.

Timing:

Master degree studies, 1st spring semester, 3rd period.

Learning outcomes:

Upon completion of the course, the student is able to:

apply independently the concepts and models of health care management in exam and in written group work exercise with working life orientation

apply and analyze the complex of management in health care on the basis of knowledge gained from previous studies and knowledge and newest scientific information gained and collected during this particular course

interpret, analyze and reflect in group work exercise not only the challenging situations of multi-professional leadership in demanding expert tasks of social and health care, but also related scientific research

evaluate critically and create different solutions to these actual situations at work

during a visit of an external expert ask questions and make comments relevant from the viewpoint of health care management

as a member of a tutorial group present orally results of the group exercise together with other group members in presentation of the group exercise use digital learning methods in a relevant way which also motivates other students to participate

evaluate and give feedback on solutions of other students and

receive constructive feedback on group exercise.

Contents:

Concepts, models and theoretical starting points of health care management. Challenging situations in management at work.

Mode of delivery:

Blended teaching.

Learning activities and teaching methods:

Lectures 20 hours including lecture of a visiting expert. Preparing for exam and exam 70 h, studying in small groups 100h, and independent studying 80h. Continuous assessment will be applied.

Target group:

Master Degree students in health management science.

Prerequisites and co-requisites:

None.

Recommended optional programme components:

None.

Recommended or required reading:

Literature for exam

Choose three titles from the following list:

Ferlie Ewan, Montgomery Kathleen & Pedersen Anne R (Eds.) (2016) The Oxford handbook of health management. Oxford: Oxford university press.

Fried Bruce J., Fottler Myron D. (Eds.) Human resources in healthcare: managing for success. 3rd ed. Chicago : Health Administration Press ; Arlington, Va.: Association of University Programs in Health Administration, 2008.

Paasivaara, Leena & Suhonen, Marjo & Virtanen, Petri (2013): Projektijohtaminen hyvinvointipalveluissa. 2., tarkistettu ja ajantasaistettu laitos. Tietosanoma, Helsinki.

[White, Kenneth R.](#), Griffith. John R. The well-managed healthcare organization. 7th ed. Chicago: Health Administration Press, 2010.

Wolf Jason A. ym. (eds.). Organization development in healthcare: conversations on research and strategies. Bingley: Emerald Group, 2011.

Supplementary course literature:

Anthony R. Kovner, David J. Fine, Richard D'Aquila. (eds.) Evidence-based management in healthcare Chicago : Health Administration Press, 2009.

[McLaughlin, Daniel B, Julie M. Hays.](#) Healthcare operations management / Daniel B. McLaughlin, Julie M. Hays. Chicago : Health Administration Press ; Washington, DC : AUPHA Press, 2008.

[Schwalbe, Kathy](#), Furlong Dan. Healthcare project management. Minneapolis, NN: Schwalbe Publishing, 2013.

Bahadir Inozu ym. Performance improvement for healthcare: leading change with lean, six sigma, and constraints management. New York: McGraw-Hill, cop. 2012.

Myron D. Fottler, Naresh Khatri, Grant T. Savage. (Eds.) Strategic human resource management in health care. Bingley, UK : Emerald, 2010.

Hyyryläinen Esa (toim.) Näkökulmia hallintotieteisiin. Vaasa: Vaasan yliopisto, 2012. http://www.uwasa.fi/materiaali/pdf/isbn_978-952-476-380-6.pdf/ (RELEVANT PARTS)

Virtanen, Turo ym. (toim.) Suomalainen hallinnon tutkimus: mistä, mitä, minne? Tampere University Press, 2011.

Jari Vuori (toim.) Terveys ja johtaminen: terveyshallintotiede terveydenhuollon työyhteisöissä. Porvoo; Helsinki: WSOY, 2005.

Scientific publications, such as, for example, International Journal of Healthcare Management; Journal of Nursing Management; Leadership in Health Services; International Journal of Quality in Health care; Journal of Health Care Compliance.

Assessment methods and criteria:

Independent and group work, exercise, exam, active participation in contact teaching. The total grade will be determined based on the grade of the group exercise. In case when the grade is settling between two grades the student can receive the higher one with active participation in contact teaching.

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

Grading:

Total grade: 1-5 / fail. Grading of the group exercise: 1-5/fail. Grading of exam: pass / fail.

Person responsible:

Professor and doctoral candidate

Working life cooperation:

Learning assignments with working life relevance, lecture by visiting expert

353208S: Reflection and Application in Management part I, 5 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Heidi Pirkola

Opintokohteen kielet: Finnish

ECTS Credits:

5 ECTS cr

Language of instruction:

The language of instruction is Finnish. When necessary, the course can be completed in English.

Timing:

Master degree studies, 2nd autumn semester, 2nd period. Practical training can be completed during summer.

Learning outcomes:

Upon completion of the course, the student is able to:

reflect on one's management competence in the field of administration, management or research in practical social and health care

apply one's field-specific skills in practical training in accordance with the requirements of the duties in the chosen training job (knowledge of legislation, project management skills, financial administration skills).

demonstrate in a portfolio one's development and competence as an expert and ability to apply knowledge in managerial, coordination, planning and organizational tasks in social and health care.

demonstrate one's performance, communication and technology skills when presenting the portfolio.

demonstrate in a portfolio one's competence in producing a written report

Contents:

Practical training part of the course in national or international health care organization in accordance with personal training plan.

Mode of delivery:

Blended teaching.

Learning activities and teaching methods:

Management reflection seminars 8 h, group and web-based (Optima) studying 6h, practical training in management (3 weeks) and independent studying 121h.

Target group:

Master Degree students in health management science.

Prerequisites and co-requisites:

None

Recommended optional programme components:

None

Recommended or required reading:

Relevant scientific articles and other literature.

Assessment methods and criteria:

Participation in seminars and group work. Practical training in management in Finland or other countries and producing a portfolio.

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

Grading:

Pass / Fail

Person responsible:

Doctoral candidate

Working life cooperation:

Practical training, learning assignments with working life relevance.

353238S: Reflection and Application in Management part II, 5 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Nina Lunkka

Opintokohteen kielet: Finnish

ECTS Credits:

5 ECTS cr

Language of instruction:

Language of instruction is Finnish. When necessary, the course can be completed in English.

Timing:

Master degree studies, 2nd spring term, 3rd period. Practical training can be completed during summer.

Learning outcomes:

Upon completion of the course, the student is able to:

reflect on one's management competence in the field of administration, management or research in practical social and health care

apply one's field-specific skills in practical training in accordance with the requirements of the duties in the chosen training job (knowledge of legislation, project management skills, financial administration skills).

demonstrate in a portfolio one's development and competence as an expert and ability to apply knowledge in managerial, coordination, planning and organizational tasks in social and health care.

demonstrate one's performance, communication and technology skills when presenting the portfolio.

demonstrate in a portfolio one's competence in producing a written report

Contents:

Practical training part of the course in national or international health care organization in accordance with personal training plan.

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Management reflection seminars 7 h, practical training in management (3 weeks) and independent studying 128h.

Target group:

Master Degree students in health management science.

Prerequisites and co-requisites:

None

Recommended optional programme components:

None

Recommended or required reading:

Relevant scientific articles and other literature.

Assessment methods and criteria:

Participation in seminars. Practical training in management in Finland or abroad and producing a portfolio.

Grading:

pass / fail

Person responsible:

Doctorac candidate / health management science

Working life cooperation:

Practical training, learning assignments with working life relevance

353224S: Research Seminars, 10 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Satu Elo

Opintokohteen kielet: Finnish

ECTS Credits:

10 ECTS cr (health management science Curriculum 2016-17 and 2017-18)

Language of instruction:

The instruction is provided in Finnish.

Timing:

1st spring 4th period and 2nd autumn 1st period

Learning outcomes:

Upon completion of the course the student is able to

use, evaluate and apply independently scientific information and on that basis produce an acceptable written research plan in Finnish or in English.

justify and present chosen topic and methodological decisions in different phases of a research process

analyze independently, orally and in small group one's own and other group members' research process and its different phases and also evaluate them critically

search information and evaluate analytically and systematically its relevance in one's research plan.

apply team work skills, flexibility and negotiation skills and also show performance skills and skills related to use of information technology when presenting the research plan.

Contents:

Drafting a research plan, working in small groups, independent work

Mode of delivery:

Blended teaching.

Learning activities and teaching methods:

Contact teaching 10h, work in small groups 10h and independent studying 250h.

Target group:

Master's students in health management science.

Prerequisites and co-requisites:

None

Recommended optional programme components:

353206S Master thesis 30 ECTS cr

Recommended or required reading:

Current scientific literature.

Assessment methods and criteria:

Active participation in contact teaching and in small group work. Completion of a research idea paper and research plan. The student's reflection of things learned and argumentation will be assessed using peer evaluation and self-assessment.

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

Grading:

Pass / fail

Person responsible:

Professor / University lecturer

Working life cooperation:

Working life related topic of research.

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

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Marjo Suhonen

Opintokohteen kielet: Finnish

ECTS Credits:

5 ECTS cr

Language of instruction:

Finnish. When needed, the course can be completed in English.

Timing:

Master degree studies 2nd autumn semester, 2nd period.

Learning outcomes:

Upon completion of the course, the student is able to:

retrieve newest scientific research and create in written assignment a research-based conceptual unity of a specific field of health care using the main concepts, models and theories of health management science.

comment and reflect justifiable on the nature of health management science and both in written assignment and in oral presentation comment, compare and explain one's competence in health management

analyze in written assignment one's knowledge in health management science gained earlier and consider it in relation to working life, especially to practical administration and management

present one's written assignment orally and apply digital learning methods when doing so

Contents:

Knowledge of health management science in health care practice, education, development and management.

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Contact teaching 15h and independent studying 120h.

Target group:

Master Degree students in health management science.

Prerequisites and co-requisites:

None

Recommended optional programme components:

353409S Synthesis in Health Management Science part II

Recommended or required reading:

Current research

Assessment methods and criteria:

Active participation in contact teaching, written assignment and oral presentation. Peer evaluation and self-assessment.

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

Grading:

Pass / fail

Person responsible:

Professor

Working life cooperation:

Learning assignment with health care work relevance.

353409S: Synthesis in Health Management Science Part II, 5 op

Voimassaolo: 01.08.2017 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Marjo Suhonen

Opintokohteen kielet: Finnish

ECTS Credits:

5 ECTS cr

Language of instruction:

The language of instruction is Finnish. When needed, the course can be completed in English.

Timing:

Master degree studies 2nd spring semester, 3rd period.

Learning outcomes:

Upon completion of the course, the student is able to:

retrieve newest scientific research and create in written assignment a research-based conceptual unity of a specific field of health care using the main concepts, models and theories of health management science.
 comment and reflect justifiably on the nature of health management science and both in written assignment and in oral presentation comment, compare and explain one's competence in health management
 analyze in written assignment one's knowledge in health management science gained earlier and consider it in relation to working life, especially to practical administration and management
 present one's written assignment orally and apply digital learning methods when doing so

Contents:

Knowledge of health management science in health care practice, education, development and management.

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Contact teaching 15h and independent studying 120h.

Target group:

Master Degree students in health management science.

Prerequisites and co-requisites:

353408S Synthesis in Health Management Science part I

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

Current research.

Assessment methods and criteria:

Active participation in contact teaching, written assignment and oral presentation. Peer evaluation and self-assessment.

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

Grading:

pass / fail

Person responsible:

Professor

Working life cooperation:

Learning assignment with health care work relevance.

353205S: Written maturity test, 0 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

0 ECTS cr

Language of instruction:

Finnish or Swedish; English, if the Master Thesis has been written in English.

Timing:

Varies. The student must complete written maturity test in connection with and as a part of Master Thesis. The student can register for maturity test as soon as she/he has submitted the thesis for review and the supervisor has given her/his permission to register.

Learning outcomes:

The student is able to communicate in Finnish or in Swedish and show thorough knowledge of the field of his / her thesis. If the student has taken the maturity test in connection with the Bachelor degree and showed good command in Finnish or Swedish language in it, she/he doesn't have to show it anymore in connection with the Master degree. However, the student must still take the maturity test and show in it thorough knowledge of the field of her/his thesis.

Contents:

Maturity test connected to the field of student's master thesis.

Mode of delivery:

Written maturity test connected to the master thesis.

Learning activities and teaching methods:

The student writes the maturity test usually in one of the national languages of Finland (Finnish or Swedish), in which she/he has received her/his school education. If the mother tongue of the student is other than Finnish or Swedish, the Faculty of Medicine will determine separately required language studies.

Target group:

Master degree students in nursing science, health sciences teacher education and health management science.

Prerequisites and co-requisites:

Master thesis and supervisor's permission to register for maturity test

353225S Master Thesis and Research Seminars 40 ECTS cr (353226S part I ja 353227S part II) for Master's programmes in Nursing Science and in Health Sciences Teacher Education

353206S Master Thesis 30 ECTS cr (353236S part I ja 353237S part II) for Master's Programme in Health Management Science

Assessment methods and criteria:

See [general instructions](#) of the maturity test at the University of Oulu (in Finnish).

An abstract of the Master thesis in Finnish or Swedish can be accepted as a maturity test if the student has showed good command in one of these languages in written maturity test of the Bachelor thesis.

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

Grading:

Pass / Fail

Person responsible:

Supervisor of the Master thesis and teacher of the university's Languages and Communications of the Oulu Extension School.

352252S: Methods of Statistical Analysis in Health Sciences, 5 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Required proficiency level:

In order to participate, student must have completed all the courses included in A500105 Knowledge Management and Research totaling 10 ECTS cr.

ECTS Credits:

5 ECTS cr

Language of instruction:

Finnish

Timing:

Master degree studies, 1st autumn term 1st period

Learning outcomes:

Upon completion of the course the students are able to plan collection of data, to transfer the data into a form which can be processed with a computer and to use independently statistical software for processing and analysis of data. The students are able to apply basic statistical methods in analysis of research problems. The students know multivariate and other special statistical methods used for analysis of data in health sciences. Additionally, the students are able to report research results and to recognize the issues which are important in interpreting the results published in international publications of health sciences.

Contents:

Basic concepts of statistics. Design of studies. Data collection. Data preparation. Using statistical software. Choosing the methods of analysis. Comparing groups. Repeated measurements. Studying associations. Multivariable methods. Regression models. Reliability. Reporting the results. Article evaluation.

Mode of delivery:

Contact teaching and group exercises.

Learning activities and teaching methods:

Lectures 28h, group exercises 21h and learning assignments.

Target group:

From 2017 Curriculum onward Master students of health sciences.

Recommended or required reading:

Lecture presentations and supplementary group work materials. Uhari M ja Nieminen P: Epidemiologia ja biostatistiikka. ("Epidemiology and biostatistics"; no translation in English.) 2nd edition Duodecim, 2012.

Assessment methods and criteria:

Final examination, accepted learning assignments and participation in group exercises

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

Grading:

Pass / fail

Person responsible:

University lecturer Pentti Nieminen

353203S: The Application of Research Methods in Health Sciences, 10 op

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: Health Sciences

Arvostelu: 1 - 5, pass, fail

Opettajat: Satu Elo

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 cr

Language of instruction:

Finnish

Timing:

Master degree studies, 1st autumn term, 1st and 2nd period

Learning outcomes:

Upon completion of the course the student is able to apply in learning assignment one's previous knowledge of research methods.

The student is able to discriminate between and interpret characteristics of quantitative and qualitative research and draw conclusions on main methodological issues.

The student is able to plan and lead activities of one's tutorial group for reaching a joint goal.

The student is able to plan, create and evaluate different approaches of qualitative and quantitative research in research plan and in preparation of digital learning assignments.

The student is able to organize different stages of a research process and form a logical whole of them.

The student is able to analyze reliability and ethical questions of quantitative and qualitative research and evaluate them in one's research plan and learning assignment.

The student is able to use work related digital skills in preparation of the research plan and learning assignments.

The student has gained skills and knowledge necessary for completion of research seminars and Master thesis.

Contents:

Methodological characteristics of quantitative and qualitative research, types of/approaches in research, phases of research process, assessment of reliability, ethical issues in research. Collective implementation of learning assignments and research plan using digital learning-solutions.

Mode of delivery:

Collective learning, learning diary (blog), peer and group evaluation.

Learning activities and teaching methods:

Lectures and tutored exercises 50h, independent and collective studying 220h. Writing of a research plan and learning assignments in groups based on topics with working life relevance and using digital skills.

Target group:

Master Degree students in nursing science, health sciences teacher education and in health management science.

Prerequisites and co-requisites:

The student must have completed with pass research method studies included in the Bachelor degrees and Bachelor thesis.

Recommended optional programme components:

This course is an independent entity and doesn't require completion of other simultaneous studies.

Recommended or required reading:

Polit DF & Beck CT (2011) Nursing research: generating and assessing evidence for nursing practice. 9. ed. Wolters Kluwer Health/Lippincott Williams & Wilkins, Philadelphia.

Denzin, Norman K. & Lincoln, Yvonna S. (eds.) 2011. The sage Handbook of Qualitative Research. 4th ed. Thousand Oaks, CA: SAGE. (Certain parts, at least parts III /Strategies of Inquiry/ and part IV /Methods of Collecting and Analyzing Empirical Materials/) and

National and international literature and scientific articles relevant to research plan and learning assignments.

Assessment methods and criteria:

Active participation in lectures, collective group work and preparation of learning assignments and research plan.

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

Grading:

1-5 / fail, group- and peer-evaluation

Person responsible:

University lecturers of nursing science and health management science

Working life cooperation:

During the course the students use and apply digital learning solutions relevant for working life cooperation.