

# Opasraportti

## FMed - Nursing Science (2016 - 2017)

### DEGREE PROGRAMME IN NURSING SCIENCE

#### CURRICULUM 2016-2017

The Bachelor's degree (BHSc) and Master's degree (MHSc) in Health Sciences in the University of Oulu are based on the Government Decree on University Degrees [794/2004](#). The degree programme in Nursing Science leads first to the degree of Bachelor of Health Sciences (180 ECTS cr) and further to the degree of Master of Health Sciences (120 ECTS cr). 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, Teacher Education Programme in Health Sciences) is identical to all undergraduate health science students irrespective of chosen specialization. Students selected to the degree programme in Nursing Science have nursing science as their major subject. The students do their Bachelor thesis and learning tasks in their field of specialization. The degree of Master of Health Sciences (second-cycle university degree) is differentiated according to the chosen specialization. After completing the Master's degree, the student is eligible for applying for further academic education (doctoral degree).

Those who have completed the Degree Programme in Nursing Science, qualify for various positions in social welfare and public health care. These include such positions in planning, development, research, teaching and management on both national and international level.

In the beginning of the studies, the student is linked with a tutor who acts as a small group supervisor and as a personal teacher for the student. All students draft their own personal study plan (e-HOPS). The implementation of teaching is in accordance with the decision by University of Oulu (KN 17.9.2014) regarding four teaching periods during the time period 29.8.2016 -12.5.2017. Additionally there is a period for examinations and for catching up 15.5. - 26.5.2017. Furthermore, it is possible to take a part of the courses during the summer term. A separate announcement is made of the courses offered during the summer term by the end of February.

All students of University of Oulu may become exchange students if they so wish and to take a part of their courses (e.g. free choice studies, practice) in an institution of higher education abroad. The time period for studies as an exchange student is 3-12 months and a student may become an exchange student when they have finished one year of studies at University of Oulu. The student and the coordinator for international affairs will make a decision together regarding the time period for studies as an exchange student and for an individual study plan. In case the student is doing the practice unit of their studies as an exchange student, the student first agrees about this with the teacher responsible for the practice unit and with the person responsible for international affairs. After this the student is in contact with the student centre in order to apply for the place of practice and in order to apply for possible funding.

During their studies the students are asked to give feedback for each study unit, for each academic year, in connection with small group supervision and with a nationwide Bachelor's Degree feedback form. The feedback is processed in the planning committee for education in the Research Unit of Nursing Science and Health Management and it is used for developing the quality of study units, curriculum and education.

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

The Bachelor's degree in health sciences includes a wide range of scientific, theoretical and methodology studies, and studies grounded in expertise of professional working communities.

### Learning Objectives for the Degree Programme Bachelor of 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 degree of Bachelor of Health Sciences the students are able:

to explain the foundations of health science in the changing and multicultural environment of health care and to observe and interpret the development of health care and health sciences;

to use scientific and critical thinking, technology and scientific methods, and approaches creatively in obtaining, producing and evaluating relevant research data;

to apply gained knowledge critically and creatively in professional situations and problem solving;

to work as an expert in one's own field in multidisciplinary settings of social welfare and health care services in a cooperative manner;

to make independent decisions and act independently according to the ethical principles of health sciences;

to take responsibility for the development and evaluation of own, other individuals' and groups' competences;

to have competence in communicating in one's mother tongue, in one additional official language spoken in Finland and in at least one foreign language;

to further qualify for a postgraduate degree and continued learning.

### Structure of the Multidisciplinary Bachelor's Degree Programme in Health Sciences

#### [Course Structure Diagram 2016-2017](#)

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

#### GENERAL STUDIES 25 ECTS cr

##### *Development in Academic Expertise 6 ECTS cr*

Having completed this area of competence student will be able to operate in the community of the university and in professional networks. The student will be able to explain the relation between education and professional life in the development of expertise.

#### Studies included in the area of competence:

350041Y Academic Study and Expertise in Health Sciences, part I-II 6 ECTS cr:

350001Y Academic Study and Expertise in Health Sciences, part I: Guidance for Study

and Working Experience, Study Tutorials 1 ECTS cr

350044Y Academic Study and Expertise in Health Sciences, part II: Academic Study and

Working Life Training 5 ECTS cr

***Language and Communication Skills 19 ECTS cr***

Having completed 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

Knowledge and Research I-II 6,5 ECTS cr

Knowledge and Research III 3,5 ECTS cr

A500105 Knowledge and Research I-II 6,5 ECTS cr:

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 4ECTS cr

A500105 Knowledge and Research III 3,5 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 INTERMEDIATE STUDIES 45 ECST cr**

### ***Health Sciences 60 ECTS cr***

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 health care, education and management. Having completed 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 the student gains preliminary knowledge in theory development in health sciences.

The intermediate studies in health sciences include 45 ECTS credits. If the student has completed equivalent studies in health sciences 35 ECTS credits previously, the additional 10 ECTS credits should be supplemented.

#### **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

#### **Intermediate studies included in the area of competence:**

351138A Legal Aspects of Health Care 5 ECTS cr

352232A Health Management Science 10 ECTS cr

352233A Nursing Science 10 ECTS cr

352114A Bachelor Thesis and Written Maturity Test 10 ECTS cr (separate code for maturity test 352514A 0 ECTS cr)

### ***Scientific Practices and Research Skills 10 ECTS cr***

Having completed 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 with further skills in planning, executing, and reporting health sciences research.

#### **Studies included in the area of competence:**

352251 Qualitative Research Methods in Health Sciences 5 ECTS cr

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

## MINOR SUBJECT 25 ECTS cr

The minor subject studies for the undergraduate degree in Bachelor of Health Sciences need to include at least one study module of university level with not less than 25 ECTS cr. Also study modules (basic or subject studies) of at least 25 ECTS cr completed at other universities or Open University may be credited in the minor subject.

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

Registration for studies in Health Promotion in WebOodi by Sept 30, 2016.

Student may start minor subject for their later degree in Master of Health Sciences during their undergraduate studies according to their Personal Study Plan (e-PSP).

## OPTIONAL STUDIES 60 ECTS cr

Optional studies are basic studies, intermediate studies 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 and 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 regulations of the University of Oulu, paragraph *Accreditation of studies taken elsewhere and recognition of prior learning* (§ 27), the principles concerning accrediting studies taken in other Finnish and foreign universities and other educational institutions are stipulated in the curriculum or other regulations, unless they have not been stipulated elsewhere. Decision on recognition of prior learning for each student is made by the responsible of the degree programme in question.

<http://www.oulu.fi/english/studying/supporting-your-studies/recognition-prior-learning-rpl>

### Provisions of Prior Learning Recognition at the Research Unit of Nursing Science and Health Management

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 in the recognition of prior learning (RPL).

Basic and intermediate studies to be recognized from Open University and other universities than University of Oulu will be credited on the basis of witnessed certificate, if the studies were previously completed and accepted as

complete study modules. There is no set time limit for the accreditation of study modules. Accredited studies need to correspond with university level and be applicable to the relevant studies of the degree programme.

Individual study units to be credited from Open University or other universities than University of Oulu require separate application procedure in RPL. Individual study units older than five years will not be accredited. During the implementation process of the new curriculum (2014-2017) these cases may be dealt with individually.

Studies, which are registered as a part of a previous degree may not be credited towards a new degree. However, through the RPL-process previously acquired knowledge may be identified and recognized.

Accreditation application forms can be found in web-pages of the Faculty of Medicine, Oulu University <http://www oulu.fi/ltk/node/1617>.

Accreditation application has to be submitted to the teacher responsible for the study unit and further dealt with by the head of the Degree Programme of Nursing Science Professor Helvi Kyngäs. The decisions on credit transfer for language and communication studies are made through the Languages and Communication Extension School.

## **Studies to be credited towards Bachelor's Degree in Health Sciences**

### ***Language and Communication Skills***

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

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

Earlier language studies can be credited in following cases:

- 1) Student has completed corresponding study unit in other university or institution than University of Oulu or in other faculty of the University of Oulu. For accreditation the completed study unit has to correspond to study units in question in number of ECTS cr, quality and content. Acceptable difference in number of ECTS cr between completed and to be credited study unit can be 1 ECTS cr.
- 2) Student has completed corresponding study unit in Summer University or in Open University. For accreditation the completed study unit has to correspond to study units in question in number of ECTS cr, quality and content provided by the degree requirements of the faculty. Acceptable difference in number of ECTS cr between completed and to be credited study unit can be 1 ECTS cr.
- 3) Language studies completed in the Universities of Applied Sciences can be credited if they correspond to study units in question in number of ECTS cr, quality and content provided by the degree requirements of the faculty. Acceptable difference in number of ECTS cr between completed and to be credited study unit can be 1 ECTS cr.

The student can take the final exam of the study unit without participation in the lessons provided that she/he has worked or lived lengthy in Swedish speaking linguistic area or she/he is from a bilingual family. The exam consist of written and oral assignment.

Student with Swedish as her/his mother tongue will complete corresponding studies in Finnish. Should the student have been excused from the Swedish language studies already in comprehensive school, she/he will apply for corresponding exemption from one's own faculty.

**902008Y Academic English 3 ECTS cr**

The course can be credited based on prior qualification in health care from university of applied sciences.

### **900008Y Basics of Oral Communication 3 ECTS cr**

The course can be credited base on prior qualification in health care from university of applied sciences.

#### ***Health Sciences***

The basic studies in Health Sciences 25 ECTS cr can be credited with applicable study module in health sciences based on prior qualification in health care from university of applied sciences or other universities.

#### ***Optional Studies***

Based on prior qualification in health care from university of applied sciences and on vocational qualifications optional studies of Bachelor's Degree in Health Sciences can be credited with 60 ECTS cr.

### **Studies of Bachelor Degree in Health Sciences per Term**

1<sup>st</sup> term / autumn

#### ***Development in Academic Expertise***

##### ***General studies***

350001Y Academic Study and Expertise in Health Sciences, part I: Guidance for Study and Working Experience, Study Tutorials 1 ECTS cr

#### ***Language and Communication Skills***

##### ***General studies***

A500105 Knowledge and Research I – II 6.5 ECTS cr including

040021Y Knowledge and Research I: Tools 1 ECTS cr

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

#### ***Health Sciences***

##### ***Basic Studies***

351203P Introduction to Health Sciences 5 ECTS cr

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

***Intermediate studies***

351138A Legal Aspects of Health Care 5 ECTS cr

352232A Health Administration Science 10 ECTS cr

352233A Nursing Science 10 ECTS cr

***Minor Subject 1 ECTS cr***

2<sup>nd</sup> term / spring

***Development in Academic Expertise***

***General studies***

350044Y Academic Study and Expertise in Health Sciences, part II: Academic Study and  
Working Life Training 5 ECTS cr

***Language and Communication Skills***

***General studies***

902008Y Academic English 3 ECTS cr

900008Y Basics of Oral Communication 3 ECTS cr

A500105 Knowledge and Research I-II 6.5 ECTS cr including

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

A500105 Knowledge and Research III 3.5 ECTS cr including

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

***Health Sciences***

***Basic studies***

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

***Scientific Practices and Research Skills***

***Intermediate studies***

352251A Qualitative Research Methods in Health Sciences 5 ECTS cr

***Minor Subject 11 ECTS cr***

3<sup>rd</sup> term / autumn

***Language and Communication Skills***

***General studies***

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

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

***Health Sciences***

***Intermediate studies***

352114A Bachelor Thesis and Written Maturity Test 10 ECTS cr

***Scientific practices and research skills***

***Intermediate studies***

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

***Minor Subject 13 ECTS cr***

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**MASTER OF HEALTH SCIENCES (MHSc), 120 ECTS Credits**

**Learning Objectives for the Degree Programme Master of Health Sciences**

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

Having attained the degree of Master of Health Sciences students are able:

to have extensive and highly specialized knowledge of the concepts, theories and methods in nursing science and are able to use them as a basis for nursing science research;

to analyze critically the issues related to nursing science and closely related disciplines;

to solve demanding problems relating to research and innovation in the field of social and health care;

to work according to the evidence based knowledge independently and collaborative in demanding expert positions in social and health care;

to manage and develop complex, original and new strategic approaches in the operating environment of social and health care;

to manage issues at hand and lead people, to plan and evaluate an appropriate field of operation for other persons and groups, and to draw useful conclusions based on observation in the field of social and health care;

to communicate well both orally and in writing to audiences consisting of colleagues and the general public, and are capable of international communication and interaction in the second national language in Finland, and in at least one foreign language;

to have the competence required for postgraduate studies in Health Sciences and for continuous learning.

## **Structure of the Master's Degree Programme in Health Sciences**

### [Course Structure Diagram 2016- 2017](#)

The Degree Programme Master of Health Sciences consists of following areas of competencies: Nursing Science, Scientific Practices and Research Skills, Clinical Specialist's Development in Nursing Science, Minor Subject and Optional Studies.

## **ADVANCED STUDIES IN NURSING SCIENCE 82 ECTS cr**

### ***Nursing science 52 ECTS cr***

#### **Advanced studies included in the area of competence:**

353101S Nursing Science II 5 ECTS cr

353201S Nursing Science III 7 ECTS cr

353225S Master Thesis and Research Seminars 40 ECTS cr including part I and II:

353226S Master Thesis and Research Seminars Part I 15 ECTS cr

353227S Master Thesis and Research Seminars part II 25 ECTS cr

353205S Written Maturity Test 0 ECTS cr

### ***Scientific Practices and Research Skills 10 ECTS cr***

#### **Advanced studies included in the area of competence:**

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

***Clinical Specialist's Development in Nursing Science 20 ECTS cr:******Advanced studies included in the area of competence:***

351180P Fundamentals of Clinical Care and Nursing Science 5 ECTS cr

352227A Leadership in Evidence Based Practice 5 ECTS cr

352226S Clinical Training 10 ECTS cr

**MINOR SUBJECT 25 ECST cr**

The students may orient their studies according to their personal objectives and their Personal Study Plan (e-PSP) by including in the degree study modules of different sciences completed / to be completed in Finland or abroad.

**OPTIONAL STUDIES 13 ECTS cr**

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

**Following studies arranged by the Research Unit of Nursing Science and Health Management may be included in Optional 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

352262A Supportive Environments for Health and Wellbeing 7 ECTS cr

Registration in studies in Health Promotion in WebOodi by Sept 30, 2016.

**Other single study units:**

354202A Research Ethics in Health Sciences 5 ECTS cr

354205A Health Sciences Marketing 2 - 5 ECTS cr

352228A Elective Course on Advanced Research 3 – 10 ECTS cr

## Arrangements for Recognition of Prior Learning

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<http://www.oulu.fi/english/studying/supporting-your-studies/recognition-prior-learning-rpl>

Studies to be credited from Master's degree in health care from university of applied sciences, and other universities requires separate application procedure.

Application forms can be found in web-pages of the Faculty of Medicine at Oulu University <http://www.oulu.fi/ltk/node/1617>.

Accreditation application has to be submitted to the teacher responsible for the study unit and further dealt with by the head of the degree programme in nursing science Professor Helvi Kyngäs.

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

Based on a previous Master's degree from a university of applied sciences not more than 13 ECTS cr may be accepted for optional studies by the head of the degree programme in nursing science. The recognition of the previous studies requires separate application procedure ([RPL- process](#)).

## Studies of Master Degree in Health Sciences per Term

4<sup>th</sup> term /spring

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### ***Nursing Science***

353101S Nursing Science II 5 ECTS cr

353226S Master Thesis and Research Seminars Part I 5 ECTS cr

### ***Scientific Practices and Research Skills***

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

### ***Clinical Specialist's Development in Nursing Science***

351180P Fundamentals of Clinical Care and Nursing Science 5 ECTS cr

352227A Leadership in Evidence Based Practice 5 ECTS cr

***Minor Subject 10 ECTS cr***

5<sup>th</sup> term / autumn

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***Nursing Science***

353101S Nursing Science III 7 ECTS cr

353226S Master Thesis and Research Seminars Part I 10 ECTS cr

***Clinical Specialist's Development in Nursing Science***

352226S Clinical Training 10 ECTS cr

***Minor Subject 5 ECTS cr******Optional Studies 8 ECTS cr***6<sup>th</sup> term /spring

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***Nursing Science***

353227S Master Thesis and Research Seminars part II 25 ECTS cr

353205S Written maturity test 0 ECTS cr

***Minor Subject 10 ECTS cr******Optional Studies 5 ECTS cr***

# Tutkintorakenteet

## Degree Programme in Nursing Science, MHSc

Tutkintorakenteen tila: published

Lukuvuosi: 2016-17

Lukuvuoden alkamispäivämäärä: 01.08.2016

### Advanced studies in nursing science (vähintään 82 op)

Nursing science 52 ECTS cr

Scientific practices and research skills 10 ECTS cr

Clinical Specialist`s Development in Nursing Science 20 ECTS cr

352226S: Clinical training, 10 op

351180P: Fundamentals of clinical care and nursing science, 5 op

352227A: Leadership in Evidence Based Practice, 5 op

353226S: Master Thesis and Research Seminars Part I, 15 op

353227S: Master Thesis and Research Seminars part II, 25 op

353225S: Mater Thesis and Research Seminars, 40 op

353101S: Nursing Science II: Scientific knowledge within nursing science as a basis for developing social and health care, 5 op

353201S: Nursing Science III, 7 op

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

353205S: Written maturity test, 0 op

### Optional studies (vähintään 13 op)

Following study module / units organized by the Research Unit of Nursing Science and Health Management may be included in Minor or Optional 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

352262A Supportive Environments for Health and Wellbeing 7 ECTS cr

#### Individual study units:

354202A Research Ethics in Health Sciences 5 ECTS cr

354205A Health Sciences Marketing 2 - 5 ECTS cr

352228A Elective Course on Advanced Research 3 – 10 ECTS cr

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

352261A: Health Promotion, 10 op

354205A: Marketing in Health Sciences, 0 - 2 op

354202A: Research ethics in health sciences, 5 op

352262A: Supportive Environments for Health and Wellbeing, 7 op

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

### **Minor Subjects (25 - 40 op)**

Following study module / units organized by the Research Unit of Nursing Science and Health Management may be included in Minor or Optional 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

352262A Supportive Environments for Health and Wellbeing 7 ECTS cr

#### **Individual study units:**

354202A Research Ethics in Health Sciences 5 ECTS cr

354205A Health Sciences Marketing 2 - 5 ECTS cr

352228A Elective Course on Advanced Research 3 – 10 ECTS cr

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

352261A: Health Promotion, 10 op

354205A: Marketing in Health Sciences, 0 - 2 op

354202A: Research ethics in health sciences, 5 op

352262A: Supportive Environments for Health and Wellbeing, 7 op

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

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

Tutkintorakenteen tila: published

Lukuvuosi: 2016-17

Lukuvuoden alkamispäivämäärä: 01.08.2016

### **General Studies (25 op)**

#### **Development in Academic Expertise 6 ECTS cr**

350041Y: Academic Study and Expertise in Health Sciences, 2 - 6 op

350001Y: Academic Study and Expertise in Health Sciences, part I: Guidance for Study and Working Experience, Study Tutorials, 1 - 3 op

350044Y: Academic Study and Expertise in Health Sciences, part II: Academic study and Working Life Training, 5 op

## **Language and Information Management Studies (19 op)**

### **Language and Communication Skills 19 ECTS cr**

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 Preliminary Studies (25 op)**

### **Health Sciences 25 ECTS cr**

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 (45 op)**

### **Health sciences 35 ECTS cr**

#### **Scientific Practices and Research Skills 10 ECTS cr**

352114A: Bachelor thesis, 6 op  
 352232A: Health Administration Science, 10 op  
 351138A: Legal Aspects of Health Care, 3 - 5 op  
 352514A: Maturity test, 0 op  
 352252A: Methods of Statistical Analysis in Health Sciences, 5 op  
 352233A: Nursing Science, 10 op  
 352251A: Research Methods in Health Science, 5 op

## **Minor Subjects (vähintään 25 op)**

Following study module, organized by the Research Unit of Nursing Science and Health Management (University of Oulu) 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



## Optional Studies (60 op)

# Opintojaksojen kuvaukset

## Tutkintorakenteisiin kuuluvien opintokohteiden kuvaukset

### 352226S: Clinical training, 10 op

**Voimassaolo:** 01.08.2016 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Practical training

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

10 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

According to individual plan, recommended time period is in the spring/summer of second study year, or third study year.

**Learning outcomes:**

Having completed the course, student has acquired research based expertise in clinical nursing and nursing science, emphasizing students' readiness to plan and evaluate development of operations of social and health care units and draw conclusions from it. The student is able to work in multiprofessional expert groups. The student is able to prepare a portfolio for recognizing and describing one's skills.

**Contents:**

Practical training is implemented in social and health care organisations in accordance with an individual plan. Portfolio as a tool of expertise.

**Mode of delivery:**

Independent training in chosen field placement

**Learning activities and teaching methods:**

Part 1: Drawing up an individual training plan in collaboration with the organisation where training takes place.

Part 2: Training and evaluation.

Part 3: Drawing up an academic portfolio

Part 4: Participation in discussion.

**Target group:**

Students studying nursing science as a major subject.

**Prerequisites and co-requisites:**

A prerequisite for participation is that the student has completed the following studies: Nursing science I and Candidate thesis.

**Recommended or required reading:**

Current national and international scientific literature. Current legislation and strategic documents related to social and health care.

**Assessment methods and criteria:**

Preparing a plan for practical training and a final training report. Active participation in discussion in Optima portal. Practical training and participation in arranged research clubs with working life orientation. Writing a portfolio with description of competence.

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

**Grading:**

Pass / fail

**Person responsible:**

University lecturer and doctoral student

**Working life cooperation:**

Yes

### **351180P: Fundamentals of clinical care and nursing science, 5 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

autumn-spring term during Master studies

**Learning outcomes:**

During this study unit student is able to use his/her earlier expertise. After completion of the study unit the student is able to discuss on the fundamentals of clinical care and nursing science, expert roles and task descriptions in the organizations within social and health care. The student is able to build and creatively use his/her know-how in the role of an expert by applying knowledge gained earlier. The student deepens his/her expertise in a chosen area of clinical nursing science and organizes independently a visit to a expert organization.

**Contents:**

Fundamentals and special characteristics of clinical care and nursing science. Relevance, roles and tasks of expert in clinical nursing science in organizations within social and health care. Models of expertise.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Contact teaching 10h, small group work and retrieval of literature 45h, familiarizing independently with expert role and operations of one health care organization 10h, further work on portfolio prepared during Bachelor studies 20h and written assignment 50h

**Target group:**

Master Degree students of nursing science. This study unit can also be included in the optional studies of Master students of other degree programmes in health sciences.

**Recommended or required reading:**

Krista Jokiniemi. 2014. Clinical Nurse Specialist Role in Finnish Health Care. Publications of the University of Eastern Finland. Dissertations in Health Sciences.

Current national and international scientific literature.

**Assessment methods and criteria:**

Active participation in contact teaching, visit to organization, portfolio and written assignment.

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

**Grading:**

1-5 / fail

**Person responsible:**

University lecturer and doctoral student

### **352227A: Leadership in Evidence Based Practice, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECST cr

**Language of instruction:**

Finnish

**Timing:**

autumn term

**Learning outcomes:**

The student understands the role of the leader in evidence based practice and in developing nursing. The student is able to creatively apply the principles of evidence based practice when solving problems within nursing and in one's role as an expert.

**Contents:**

Evidence- based practice and the role of a leader in nursing in evidence based practice. Dissemination and use of evidence based practice. Evaluation of evidence based practice.

**Learning activities and teaching methods:**

Studying literature and exam on literature.

**Target group:**

Master students in nursing science. This study unit can also be included in optional studies of Master students of the other degree programmes in health sciences.

**Recommended or required reading:**

Holopainen A. ym. 2013. Johda näyttö käyttöön hoitotyössä. Fioca Oy, Bookwell Oy.

Current national and international scientific literature.

**Assessment methods and criteria:**

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

**Grading:**

1-5 / fail

**Person responsible:**

University lecturer and doctoral student

## 353226S: Master Thesis and Research Seminars Part I, 15 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

15 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

Autumn term

**Learning outcomes:**

Having completed the course the student is able to independently and critically justify and present one's research topic with working life orientation and its methodological choices in the different stages of the research process. The student is able to apply the methods and produce acceptable research plan.

**Contents:**

Drafting an idea paper and research plan. Scientific group discussions and peer-evaluation.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Seminars and small group work 17h, public defenses of a doctoral thesis 3h+3h, guided discussion in the e-learning environment 8h, and independent studying 374h.

**Target group:**

Master Degree students in nursing science and in teacher education programme.

**Prerequisites and co-requisites:**

The required prerequisite is the completion of the following courses prior to enrolling for the course unit: Bachelor Thesis and Methods of Statistical Analysis in Health Sciences.

**Recommended or required reading:**

National and international scientific literature relevant for the topic and methods of the Master thesis.

**Assessment methods and criteria:**

Preparing of an idea paper. Participation in public defenses of a doctoral thesis and writing of a report. Seminars, small group work, work in e-learning environment. Peer-evaluation of research plan. Accepted research plan.

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

**Grading:**

Pass / fail

**Person responsible:**  
University lecturer

### **353227S: Master Thesis and Research Seminars part II, 25 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Diploma thesis

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

25 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

Spring term

**Learning outcomes:**

The student as a specialist is able to independently or as a member of a research project group apply the information and skills gained during one's study for preparation of a scientific study. The student demonstrates his/her skills in the chosen research methods. The student is able to produce a thesis or a scientific article according to the criteria set to a scientific study on planned schedule. The student is able to evaluate theses, take part in scientific discussions and justify decisions made within one's thesis.

**Contents:**

Familiarizing with international scientific research related to the subject and research methods of Master thesis. Producing a Master thesis and assignment or article in accordance with criteria set for scientific research. Critical discussion on thesis and presentation of results.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

Individual instruction and small group work in seminars 30h (presentation of thesis, participation in discussions and practice of being an opponent for another student's thesis), reading of national and international literature 300h, writing of thesis 345h.

**Target group:**

Master Degree students in nursing science and in teacher education programme.

**Prerequisites and co-requisites:**

The required prerequisite is the completion of the following courses prior to enrolling for the course unit: Bachelor Thesis, Methods of Statistical Analysis in Health Sciences and Master Thesis and Research Seminars part I.

**Recommended or required reading:**

Relevant scientific literature related to topic of the thesis.

**Assessment methods and criteria:**

Individual work or work in pairs under supervision of one to two teachers. Participation in seminars. The Master Thesis may also be produced as a scientific article. If the student has not written the maturity test in connection with the Bachelor's thesis, the written maturity test has to be written in connection with the Master thesis.

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

**Grading:**

1-5 / fail

**Person responsible:**

University lecturer

### **353225S: Mater Thesis and Research Seminars, 40 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

40 ECTS cr

### **353101S: Nursing Science II: Scientific knowledge within nursing science as a basis for developing social and health care, 5 op**

**Voimassaolo:** 01.08.2013 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Timing:**

Spring term

**Learning outcomes:**

Having completed the study unit the student is able to 1. discuss relevant questions of research and development projects in nursing science, 2. find and use up-to-date and reliable information of nursing sciences, 3. evaluate the quality of information within nursing sciences, 4. apply theories and research results of nursing sciences for solving problems in professional settings based on evidence based practice.

**Contents:**

Current issues of nursing science. Types of nursing sciences and evaluation of information. Theories of nursing sciences as a foundation for evidence based practice. Evidence based knowledge. Evidence based practice in social and health care.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Contact teaching 20h, small group work 45h and written assignment 70h.

**Target group:**

Master Degree students in nursing science and in teacher education programme.

**Prerequisites and co-requisites:**

The required prerequisite is the completion of the following courses prior to enrolling for the course unit: Bachelor Thesis and Nursing Science I.

**Recommended or required reading:**

1. Lauri S ja Kyngäs H. 2006. Hoitotieteen teorian kehittäminen. Sanoma Pro Oy.
2. Holopainen A, Junttila K, Jylhä V, Korhonen A, Seppänen S. 2013. Johda näyttö käytäntöön hoitotyössä. Suomen sairaanhoitajaliitto ry, Fioca Oy, Helsinki.
3. Current international scientific articles.

**Assessment methods and criteria:**

Active participation in contact teaching (80%) and written assignment.  
Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5 / fail

**Person responsible:**

Professor/university lecturer

### **353201S: Nursing Science III, 7 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Kyngäs, Helvi Aulikki

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

7 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

Autumn term

**Learning outcomes:**

The student is able to analyze and critically evaluate nursing science and research, and to apply it to the field of social and health care. Student is able to solve demanding problems independently and collaboratively in health care research and innovation according to evidence based practice. Student is able to manage issues and draw conclusions on operations in the field of health care. Student is able to evaluate actions of other persons and groups.

**Contents:**

Extensive and diverse knowledge and research in nursing science and research. Applying of nursing science.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Guided exercises 20h, small group work, independent study, data acquisition, production, evaluation 145h, oral group examination and feedback in groups.

**Target group:**

Master Degree students in nursing science and in teacher education programme.

**Recommended or required reading:**

Current international and national scientific articles.

**Assessment methods and criteria:**

Lectures/guided exercises, active participation in group work and oral group examination. The students will be compiling collectively an assignment and an oral examination, which will be assessed using self-evaluation, peer evaluation and teacher's evaluation.

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

**Grading:**

1-5 / fail

**Person responsible:**

Professor

## 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 kielet:** Finnish

**ECTS Credits:**

10 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

Spring term

**Learning outcomes:**

Upon completion of the course the student:

is able to apply one's previously gained knowledge in research methods in an assignment

based on previous studies is able to define characteristics and main methodological issues of quantitative and qualitative research

is able to organize one's actions as a member of a small group for reaching a joint goal and is able to choose and apply different types and approaches of research in one's own research plan and written assignment

is able to execute in one's assignment different stages of a research process and solve problems related to the process

is able to assess questions of reliability and validity of quantitative and qualitative research and apply them in planning and implementing his / her own research plan and assignment;

is able to assess main ethical questions in research;

is able to write a research proposal with working life orientation

**Contents:**

Methodological characteristics of quantitative and qualitative research, types of / approaches in research, phases of research process, assessment of reliability, ethical issues in research. Writing a research proposal and research report.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

Lectures and guided exercises 50h, independent studying 220h. Writing in a group a research plan and assignment on the basis of topics with working life orientation.

**Target group:**

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

**Prerequisites and co-requisites:**

The required prerequisite is the completion of the following courses prior to enrolling for the course unit: Research method studies completed during Bachelor studies.

**Recommended or required reading:**

Polit DF & Beck CT. 2011. Nursing Research. Generating and assessing evidence for nursing practice. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins.(certain parts).

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)

Relevant scientific articles and other literature.

**Assessment methods and criteria:**

Lectures and active participation in practical exercises and group work, preparing a written assignment and a research plan.

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

**Grading:**

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

**Person responsible:**

University lecturers of nursing and health management sciences

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

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**Assessment methods and criteria:**

Maturity test for the Master's degree in Health Sciences. Student writes an essay in his/her native language about the topic of the Master's thesis to show a good command of the language and the content of the thesis. The abstract of the Master's thesis can be accepted as a maturity test if the student has written a maturity test earlier in Bachelor's degree. If the student's native language is another than Finnish or Swedish the Faculty will define separately the requirements for the language test.

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

**Grading:**

Pass / Fail

**Person responsible:**

The essay is examined first by the supervisor of the Master's thesis and then by the teacher of the university's Language Center.

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

**Voimassaolo:** 01.08.2010 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3-10 ECTS cr

**Language of instruction:**

Finnish or English

**Timing:**

According to a personal study plan.

**Learning outcomes:**

After completing the course the student is able to do a research or part of the research according to a personal study plan following phases of a research process, and is able to write a research report.

**Contents:**

According to a personal study plan in a research project.

**Learning activities and teaching methods:**

Student plans an individual learning task with the responsible teacher of the research project. The learning tasks connect closely to ongoing research project of the Research Unit of Nursing Science and Health Management according to student's major subject.

**Target group:**

Students in Degree programs in nursing science and in health management science

**Assessment methods and criteria:**

According to a personal study plan.

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

**Grading:**

pass / fail

**Person responsible:**

Responsible person / teacher of the research project.

**Other information:**

The course can be included in elective studies of bachelor's and master's degree studies in health sciences.

## 352261A: Health Promotion, 10 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Satu Elo

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

10 ECTS cr

**Language of instruction:**

Finnish/English

**Timing:**

autumn term

**Learning outcomes:**

Having completed the course the student is able to define the central concepts relating to health promotion, the principles, values and approaches of health promotion and is familiar with international and national health programmes. The student recognizes the specific challenges relating to own areas in health promotion. The student is able to apply the practices of health promotion when choosing and evaluating effectual methods for health promotion.

**Contents:**

Approaches to health promotion. Theories and models supporting health promotion. The specific focus of health promotion in northern areas. Societal challenges in health promotion. Effectual methods of health promotion. Evaluating practices of health promotion. Research of health promotion.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

Net-based teaching.

**Target group:**

Students in the degree programmes of nursing sciences and teacher education degree programme in health science

**Recommended or required reading:**

Pietilä A-M. et al. 2012. Terveysten edistäminen: teorioista toimintaan. Sanoma Pro. Current international scientific literature.

**Assessment methods and criteria:**

Completing exercises and a written assignment.

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



**Grading:**

Pass / fail

**Person responsible:**

Professor and university lecturer of nursing science

**354205A: Marketing in Health Sciences, 0 - 2 op****Voimassaolo:** 01.08.2016 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Health Sciences**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

2 - 5 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

After completion of the course the student is able to discuss on basics in marketing communication. Student is able to target-orientated plan, implement and evaluate marketing in health sciences, and lead the marketing team. The student is able to apply marketing communications opportunities in marketing health sciences, future-oriented and in innovative way.

**Contents:**

Marketing in Health Sciences, basics in marketing communication, communication methods.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures (8 hours), working with marketing teams (46-127h). The student plans, implements and evaluates marketing communication project in co-operation with the marketing team.

**Target group:**

Bachelor and Master Degree students in each degree programme of health sciences.

**Recommended or required reading:**

Electronic materials

**Assessment methods and criteria:**

Participation in class (80% attendance) and active participation in group work. Writing the marketing plan and the final report as well as active implementation of marketing plan.

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

**Grading:**

pass / fail

**Person responsible:**

doctoral students

**354202A: Research ethics in health sciences, 5 op****Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Health Sciences**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish / English

**Timing:**

spring term

**Learning outcomes:**

After having completed the course, student is able to discuss key ethical issues related to health science research, to recognize the norms of ethically sound research and is able to assess and apply implementation of research from the point of view of research ethics. The student will demonstrate with essay one's knowledge of health sciences research ethics.

**Contents:**

Good scientific practice, basic ethical requirements in research, researcher's responsibility, special ethics-related issues of health science research.

**Mode of delivery:**

Distance teaching

**Target group:**

Students in Degree programs in Nursing Science and Health Management Science

**Recommended or required reading:**

One of the books listed below:

1. Etiikkaa ihmistieteille. 2006. Hallamaa, J. et al. (ed.) Suomalaisen Kirjallisuuden Seura, Tutkimuseettisen neuvottelukunnan julkaisuja, Hakapaino Oy, Helsinki. OR

2. The Handbook of Social Research Ethics. 2009. Mertens D.M. & Ginsberg, P.E. (eds.) Sage Publications, Ltd., California, USA. (when applicable).

Websites of [The National Advisory Board on Social Welfare and Health Care Ethics \(ETENE\)](#) and the [National Advisory Board on Research Ethics](#).

In addition, current scientific articles in the area chosen by the student for the written assignment. Current national and international scientific literature.

**Assessment methods and criteria:**

Independent work and accepted completion of written assignment.

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

**Grading:**

Pass / fail

**Person responsible:**

Doctoral candidate / Lecturer

**Other information:**

The course can be included in optional studies for the degree of Bachelor and Master of Health Sciences.

**352262A: Supportive Environments for Health and Wellbeing, 7 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Satu Elo

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

7 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

spring term

**Learning outcomes:**

The student is able to evaluate and observe the physical, social and symbolic environments and their potential for promoting health in different age groups and in care work. The student is able to discuss different theories relating to environment, effective practices and earlier research.

**Contents:**

Different levels of observing the environment. Physical, social and symbolic living and working environments supporting wellbeing in health promotion of different age groups. Supportive environment for different age groups.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

Contact teaching 12h, small group work 70h, net-based teaching 20h and independent work 80h.

**Target group:**

Students in the degree programme of nursing sciences and teacher education degree programme in health science

**Recommended or required reading:**

Current international scientific literature.

**Assessment methods and criteria:**

Active participation in contact teaching, accepted completion and presentation of net-based exercises and group exercises.

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

**Grading:**

Pass / fail

**Person responsible:**

University lecturer

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

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

spring term

**Learning outcomes:**

Student is able to discuss the concepts, theories, process, documentation, methods, learning and effectiveness in patient education. Student is able to design solution for work-related problem concerning patient education. Student is able to assess collaborative learning.

**Contents:**

Concepts, theories, process, documentation and methods related to education. Learning in patient education. Measuring outcomes and effectiveness of patient education.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures 25 hours, collective and independent studying - 191 hours.

**Target group:**

Students in the degree program in nursing science and teacher education degree programme in health science

**Recommended or required reading:**

Kyngäs H, Kääriäinen M, Poskiparta M, Johansson K, Hivonen E, Renfors T. 2007. Ohjaaminen hoitotyössä. WSOY. Other current scientific literature.

**Assessment methods and criteria:**

Active participation in lessons and in collaborative learning. Written assignments should be completed with pass. Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

pass / fail

**Person responsible:**

Professor and senior lecturer in nursing science.

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

**Voimassaolo:** 01.08.2010 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3-10 ECTS cr

**Language of instruction:**

Finnish or English

**Timing:**

According to a personal study plan.

**Learning outcomes:**

After completing the course the student is able to do a research or part of the research according to a personal study plan following phases of a research process, and is able to write a research report.

**Contents:**

According to a personal study plan in a research project.

**Learning activities and teaching methods:**

Student plans an individual learning task with the responsible teacher of the research project. The learning tasks connect closely to ongoing research project of the Research Unit of Nursing Science and Health Management according to student's major subject.

**Target group:**

Students in Degree programs in nursing science and in health management science

**Assessment methods and criteria:**

According to a personal study plan.

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

**Grading:**

pass / fail

**Person responsible:**

Responsible person / teacher of the research project.

**Other information:**

The course can be included in elective studies of bachelor's and master's degree studies in health sciences.

**352261A: Health Promotion, 10 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Satu Elo

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

10 ECTS cr

**Language of instruction:**

Finnish/English

**Timing:**

autumn term

**Learning outcomes:**

Having completed the course the student is able to define the central concepts relating to health promotion, the principles, values and approaches of health promotion and is familiar with international and national health programmes. The student recognizes the specific challenges relating to own areas in health promotion. The student is able to apply the practices of health promotion when choosing and evaluating effectual methods for health promotion.

**Contents:**

Approaches to health promotion. Theories and models supporting health promotion. The specific focus of health promotion in northern areas. Societal challenges in health promotion. Effectual methods of health promotion. Evaluating practices of health promotion. Research of health promotion.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

Net-based teaching.

**Target group:**

Students in the degree programmes of nursing sciences and teacher education degree programme in health science

**Recommended or required reading:**

Pietilä A-M. et al. 2012. Terveysten edistäminen: teorioista toimintaan. Sanoma Pro. Current international scientific literature.

**Assessment methods and criteria:**

Completing exercises and a written assignment.

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

**Grading:**

Pass / fail

**Person responsible:**

Professor and university lecturer of nursing science

### 354205A: Marketing in Health Sciences, 0 - 2 op

**Voimassaolo:** 01.08.2016 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2 - 5 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

After completion of the course the student is able to discuss on basics in marketing communication. Student is able to target-orientated plan, implement and evaluate marketing in health sciences, and lead the marketing team. The student is able to apply marketing communications opportunities in marketing health sciences, future-oriented and in innovative way.

**Contents:**

Marketing in Health Sciences, basics in marketing communication, communication methods.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures (8 hours), working with marketing teams (46-127h). The student plans, implements and evaluates marketing communication project in co-operation with the marketing team.

**Target group:**

Bachelor and Master Degree students in each degree programme of health sciences.

**Recommended or required reading:**

Electronic materials

**Assessment methods and criteria:**

Participation in class (80% attendance) and active participation in group work. Writing the marketing plan and the final report as well as active implementation of marketing plan.

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

**Grading:**

pass / fail

**Person responsible:**

doctoral students

### 354202A: Research ethics in health sciences, 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish / English

**Timing:**

spring term

**Learning outcomes:**

After having completed the course, student is able to discuss key ethical issues related to health science research, to recognize the norms of ethically sound research and is able to assess and apply implementation of research from the point of view of research ethics. The student will demonstrate with essay one's knowledge of health sciences research ethics.

**Contents:**

Good scientific practice, basic ethical requirements in research, researcher's responsibility, special ethics-related issues of health science research.

**Mode of delivery:**

Distance teaching

**Target group:**

Students in Degree programs in Nursing Science and Health Management Science

**Recommended or required reading:**

One of the books listed below:

1. Etiikkaa ihmistieteille. 2006. Hallamaa, J. et al. (ed.) Suomalaisen Kirjallisuuden Seura, Tutkimuseettisen neuvottelukunnan julkaisuja, Hakapaino Oy, Helsinki. OR

2. The Handbook of Social Research Ethics. 2009. Mertens D.M. & Ginsberg, P.E. (eds.) Sage Publications, Ltd., California, USA. (when applicable).

Websites of [The National Advisory Board on Social Welfare and Health Care Ethics \(ETENE\)](#) and the [National Advisory Board on Research Ethics](#).

In addition, current scientific articles in the area chosen by the student for the written assignment. Current national and international scientific literature.

**Assessment methods and criteria:**

Independent work and accepted completion of written assignment.

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

**Grading:**

Pass / fail

**Person responsible:**

Doctoral candidate / Lecturer

**Other information:**

The course can be included in optional studies for the degree of Bachelor and Master of Health Sciences.

## 352262A: Supportive Environments for Health and Wellbeing, 7 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Satu Elo

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

7 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

spring term

**Learning outcomes:**

The student is able to evaluate and observe the physical, social and symbolic environments and their potential for promoting health in different age groups and in care work. The student is able to discuss different theories relating to environment, effective practices and earlier research.

**Contents:**

Different levels of observing the environment. Physical, social and symbolic living and working environments supporting wellbeing in health promotion of different age groups. Supportive environment for different age groups.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

Contact teaching 12h, small group work 70h, net-based teaching 20h and independent work 80h.

**Target group:**

Students in the degree programme of nursing sciences and teacher education degree programme in health science

**Recommended or required reading:**

Current international scientific literature.

**Assessment methods and criteria:**

Active participation in contact teaching, accepted completion and presentation of net-based exercises and group exercises.

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

**Grading:**

Pass / fail

**Person responsible:**

University lecturer

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

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

spring term

**Learning outcomes:**

Student is able to discuss the concepts, theories, process, documentation, methods, learning and effectiveness in patient education. Student is able to design solution for work-related problem concerning patient education. Student is able to assess collaborative learning.

**Contents:**

Concepts, theories, process, documentation and methods related to education. Learning in patient education. Measuring outcomes and effectiveness of patient education.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures 25 hours, collective and independent studying - 191 hours.

**Target group:**

Students in the degree program in nursing science and teacher education degree programme in health science

**Recommended or required reading:**

Kyngäs H, Kääriäinen M, Poskiparta M, Johansson K, Hivonen E, Renfors T. 2007. Ohjaaminen hoitotyössä. WSOY. Other current scientific literature.

**Assessment methods and criteria:**

Active participation in lessons and in collaborative learning. Written assignments should be completed with pass.

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

**Grading:**

pass / fail

**Person responsible:**

Professor and senior lecturer in nursing science.

**350041Y: Academic Study and Expertise in Health Sciences, 2 - 6 op**

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

6 ECTS cr

### **350001Y: Academic Study and Expertise in Health Sciences, part I: Guidance for Study and Working Experience, Study Tutorials, 1 - 3 op**

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

1 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

Autumn term. Obligatory study unit for the first year students.

**Learning outcomes:**

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

**Contents:**

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 and assessment of one's studies, study techniques, and tutorials with one's teacher. Planning of own career - goals, recognition of one's own strengths/weaknesses, development and orientation of working life skills with the help of degree studies.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Tutorials with one's senior tutor 3h. Contact teaching 10h including small group counselling, info-meetings. Participation in and planning of events of research unit 10h including learning development day and alumni meetings. Independent studying 4h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Current scientific literature and research.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. Active participation in contact teaching and events, 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

### **350044Y: Academic Study and Expertise in Health Sciences, part II: Academic study and Working Life Training, 5 op**

**Voimassaolo:** 01.08.2016 -

**Opiskelumuoto:** General Studies

**Laji:** Practical training

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**



5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

spring term

**Learning outcomes:**

The student will be able to consider the grounds of academic expertise and professional career planning as a basis of growth and development of one's own expertise. As a part of development of academic expertise the student will be able to inventively plan one's career and related activities including practical training, possibilities for employment, also in connection with preparing one's thesis. The student will be able to evaluate development of one's expertise in relation to one's previous education and professional skills. Additionally, the student is able to discuss demands and challenges of working life and possibilities for work life collaboration in the field of health care, education and management.

**Contents:**

Academic expertise and career planning. Professional networks and possibilities for work life collaboration.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures by experts 5 h, practical training 100 h and a portfolio 30 h.

**Target group:**

Undergraduate students in health sciences.

**Recommended or required reading:**

Current scientific literature and research.

**Assessment methods and criteria:**

Practical training and preparing a portfolio. The study unit includes continual self-assessment, peer-assessment and teacher's assessment.

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

**Grading:**

Pass / fail

**Person responsible:**

University teacher / university lecturer

## 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

**Learning outcomes:**

**Having completed the course, students will be able to**

- understand and summarize academic/scientific texts of in 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:**

-

**Mode of delivery:**

Contact and online teaching

**Learning activities and teaching methods:**

-

**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 during the course for students to download and bring a print-out into class.

**Assessment methods and criteria:**

The course requirements include active participation in classroom work (24 hrs) and completion of home assignments (Reading journal and glossary: 20 hrs), presentation of self-selected literature (16 hrs), writing task (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:**

Eva Braidwood

**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** (Eva.Braidwood(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

**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

**Timing:**

1st year

**Learning outcomes:**

The student is familiar with the research process and with the characteristics of scientific information including an ability to obtain and process scientific information, and to report and apply the results especially in the fields of medicine, dentistry and health sciences.

The student knows the role of scientific publications, can use and evaluate information sources critically. The student will be able to search research articles using basic literature retrieval methods and to use bibliographic databases available at the Medical Faculty.

The student knows basic principles in research ethics and good scientific practice.

**Contents:**

Guidelines for written assignments and word processing:

Structure of assignments and thesis, reporting of findings, tables and figures, citing and references.

Scientific information:

Principles of scientific research, ethics in research, research methods in the main disciplines (clinical medicine, epidemiology, biomedicine and health sciences).

Scientific communication:

Scientific journals, research articles, critical evaluation of research findings, ethics in scientific publication and bibliometrics.

Literature retrieval:

Library information systems, medical and dental publications, scientific online journals, Medline, Medic, Scopus, Cochrane Library, electronic books, reference management software.

Special issues in medical research:

Ethics in research, regulations in clinical research and use of animals in scientific research, research groups.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

040024Y (4 op) Knowledge Management and Research II

**Target group:**

Medical, dental, health sciences and medical wellness technology students

**Prerequisites and co-requisites:**

None.

**Recommended optional programme components:**

Knowledge Management and Research II

041001Y Evidence Based Medicine

902006Y Reading for Academic Purposes

902007Y Scientific Communication

**Recommended or required reading:**

Material in lessons small group lessons.

**Assessment methods and criteria:**

Regular and active participation in the small group lessons and completion of practical projects.

**Grading:**

1,2,3,4,5, fail

**Person responsible:**

Associate professor Pentti Nieminen

**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:**

2nd year

**Learning outcomes:**

The student knows the role of scientific publications, can use and evaluate information sources critically. The student is familiar with statistical computing in the fields of medicine, dentistry and health sciences. Further, the student is able to analyze data with basic statistical methods, use basic statistical significance tests and inference methods, and evaluate critically scientific research reports.

**Contents:**

Scientific communication:

Research articles, critical evaluation of research findings and reporting.

Statistical methods:

Aims and phases of statistical research, planning statistical research, obtaining data, variable distributions (frequencies, graphs and statistics), basics in statistical inference and methods (estimates, significance tests and confidence limits), basic methods in comparing groups and estimating associations between variables, specific methods applied in medical research.

**Mode of delivery:**

Blended teaching.

**Target group:**

Medical, dental, health sciences and medical wellness technology students

**Prerequisites and co-requisites:**

None.

**Recommended or required reading:**

Material in lessons small group lessons.

**Grading:**

1-5, fail

**Person responsible:**

Associate professor 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:**

2nd year

**Learning outcomes:**

The student is familiar with statistical computing in the fields of medicine, dentistry and health sciences. Further, the student is able to analyze data with basic statistical methods, use basic statistical significance tests and report findings.

**Contents:**

Use of statistical software, basic methods in comparing groups and estimating associations between variables, reporting of statistical findings

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Practical project

**Target group:**

Medical, dental, health sciences and medical wellness technology students

**Prerequisites and co-requisites:**

None

**Recommended or required reading:**

Material in lessons small group lessons.

**Assessment methods and criteria:**

Completion of practical projects.

**Grading:**

Pass/fail

**Person responsible:**

Associate professor 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:**

2nd year

**Learning outcomes:**

The student is familiar with statistical computing in the fields of medicine, dentistry and health sciences. Further, the student is able to analyze data with basic statistical methods, use basic statistical significance tests and inference methods, and evaluate critically scientific research reports.

**Contents:**

Obtaining data, variable distributions (frequencies, graphs and statistics), basics in statistical inference and methods (estimates, significance tests and confidence limits), basic methods in comparing groups and estimating associations between variables.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Small group exercises

**Target group:**

Medical, dental, health sciences and medical wellness technology students

**Prerequisites and co-requisites:**

None

**Recommended or required reading:**

Material in lessons small group lessons.

**Assessment methods and criteria:**

Regular and active participation in the small group lessons

**Grading:**

Pass/fail

**Person responsible:**

Associate professor Pentti Nieminen

**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:**

By the end of the course the student has practiced the following skills: using information and communication technology resources in the University of Oulu, using workstations available in the Medical Faculty, applying basic software necessary in the studies. The student knows basics in scientific writing.

**Contents:**

Information and communication technology:

Workstations, information security and confidentiality, networks, and office software.

Guidelines for written assignments and word processing:

Structure of assignments and thesis, reporting of findings, tables and figures, citing and references.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

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

**Target group:**

Medical, dental, health sciences and medical wellness technology students

**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:**

Material in lessons small group lessons.

**Assessment methods and criteria:**

Regular and active participation in the small group.

**Grading:**

Pass/fail

**Person responsible:**

Associate professor Pentti Nieminen

**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

**Timing:**

1st year

**Learning outcomes:**

By the end of the course the student has practiced the following skills: using information and communication technology resources in the University of Oulu, using workstations available in the Medical Faculty, applying basic software necessary in the studies. The student knows basics in scientific writing.

The student is familiar with the research process and with the characteristics of scientific information including an ability to obtain and process scientific text, and to report and apply the results especially in the fields of medicine, dentistry and health sciences.

**Contents:**

Information and communication technology:

Workstations, information security and confidentiality, networks, and office software.

Guidelines for written assignments and word processing:

Structure of assignments and thesis, reporting of findings, tables and figures, citing and references.

Scientific communication:

Scientific journals, research articles, critical evaluation of research findings.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

040022Y (1,5 ECTS) Knowledge Management and Research I, Written and teaching methods assignment

**Target group:**

Medical, dental, health sciences and medical wellness technology students

**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:**

Material in lessons small group lessons.

**Assessment methods and criteria:**

Completion of practical project.

**Grading:**

Pass/fail.

**Person responsible:**

Associate professor Pentti Nieminen.

**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



**Timing:**

Autumn term

**Learning outcomes:**

Student is able to define and describe the 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 recognize the main goals, strategies, international collaboration and partners of the Finnish Ministry of Education and Culture. The student is able to structure achieved 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 in Finnish higher education institutions.

**Mode of delivery:**

Supervised studying in the e-learning environment Optima.

**Learning activities and teaching methods:**

Independent studying, reading of literature 60h, peer evaluation of learning diaries 17h, evaluating received information and preparing written assignments 58h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Materials/reports 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. This course unit utilizes continuous assessment.

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

**Grading:**

Pass / fail

**Person responsible:**

University teacher / Doctoral candidate (nursing science)

**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

**Timing:**

Autumn term

**Learning outcomes:**

Student is able to define general foundations of Finnish health care legislation. Student is able to describe and critically evaluate 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:**

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

**Learning activities and teaching methods:**

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

**Target group:**

Undergraduate health science students.

**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. This course unit is assessed on the basis of the written assignment.

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

**Grading:**

Pass / fail

**Person responsible:**

Doctoral candidate (health management science)

## 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

**Timing:**

Autumn term

**Learning outcomes:**

The student is able to

- define the philosophy, ethics and values of health care services.
- identify and define the norms and ethical principles, which are related to status of the client and are guiding the operations in health care
- recognize the most central ethical problems in health care, compare the ethical norms and regulations revealed in health care and patient care and related to different professional and work cultures.
- critically evaluate ethical decision making in the health care.
- define Evidence Based Practice
- identify different stages of a research process
- define special characteristics of qualitative and quantitative research.
- recognize the main ethical principles of research in health sciences
- 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:**

Supervised studying in e-learning environment Optima.

**Learning activities and teaching methods:**

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

**Target group:**

Undergraduate students in health science.

**Recommended or required reading:**

Materials/reports from webpages of the National Advisory Board on Social Welfare and Health Care Ethics ETENE, Ethical grounds for the social and health care field (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 unit will be assessed based on written assignment and on-line exam. A including self-evaluation and teacher's evaluation. This course unit utilizes 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)

### 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

**Timing:**

Autumn term

**Learning outcomes:**

Student is able to define the principles of the Finnish health care system and public health programs and compare them to those 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 the knowledge achieved and apply it in one's written 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:**

Supervised 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 81 h. During the second part of the course: reading of literature 40h, writing an essay and designing a health promotion leaflet 20h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Materials/reports 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 gives grounds to chosen approach in the leaflet and describes the progress of the work. This course unit utilizes continuous assessment based on self-assessment and teacher's assessment.

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

**Grading:**

Pass / fail

**Person responsible:**

Doctoral candidate (health management science)

### 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

**Timing:**

Autumn term

**Learning outcomes:**

The student is able to use the online learning environment, study independently, and critically evaluate 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:**

Supervised 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

**Recommended or required reading:**

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

**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. This course unit utilizes 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 (health management science)

## 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

**Required proficiency level:**

Student has to have completed the courses:

352251A Qualitative Research Methods in Health Sciences 4 ECTS cr

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

**ECTS Credits:**

10 ECTS

**Timing:**

Autumn term

**Learning outcomes:**

Upon completion of the course the student is able to compile a Bachelor thesis based on scientific literature and/or empirical data according to the principles of scientific writing and principals where they demonstrate one's skills in scientific communication. Student is able to explain and discuss one's own thesis and to create a Bachelor scientific

presentation or/and poster. The student is given a possibility to choose a topic for the Bachelor thesis from the chosen area of expertise in a professional working environment (e.g. it can be customized to suit clients needs). However, the topic has to be in line with the research projects of the research unit.

According to regulations in Government Decree on University Degrees (794/2004), 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 mastery of the topic of the thesis and skills in the use of Finnish or Swedish.

**Contents:**

Planning, implementation, evaluation and demonstration of a research process. Writing of a Bachelor thesis based on scientific literature and/or empirical data according to scientific principles. The students make their Bachelor thesis in their major subject. Written maturity test.

**Mode of delivery:**

Contact teaching and seminar

**Learning activities and teaching methods:**

Supervision 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.

**Recommended or required reading:**

Literature relevant to the Bachelor thesis.

**Assessment methods and criteria:**

Independent studying, supervision and seminar in small groups, writing of the Bachelor thesis, presenting and discussing the thesis, a written maturity test.

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

**Grading:**

Pass / Fail

**Person responsible:**

Doctoral candidate / university lecturer / research fellow / university teacher

## 352232A: Health Administration Science, 10 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352232A Health Administration Science (OPEN UNI) 10.0 op

**ECTS Credits:**

10 ECTS cr

**Timing:**

Autumn term

**Learning outcomes:**

The student is able to search for information independently, analyze and critically evaluate information and research field of health management science, its development and history in a way that as a result of a multidisciplinary group work enables formulation of an oral presentation and an essay by utilizing information and communication technology. In the theme discussions the student is able to build a framework of national and international health politics.

**Contents:**

Health management science as a research field and study subject and the central concepts and approaches. Historical development of health care management.

**Mode of delivery:**

Contact teaching, independent studying and group work.

**Learning activities and teaching methods:**

Lectures 8h, independent studying 53h, written assignment 60h; theme discussion group 10h and independent studying 139h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Current literature, and other material on social and health care politics.

**Assessment methods and criteria:**

An essay synthesizing foundational issues and a theme discussion carried out by students in groups. Essay 50% and theme discussions 50%.

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

**Grading:**

1-5 / fail

**Person responsible:**

Professor (health management science)

### 351138A: Legal Aspects of Health Care, 3 - 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351138A Legal Aspects of Health Care (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr

**Timing:**

Autumn term

**Learning outcomes:**

Upon completion of this course unit the student is able to define the legislation that regulates production of health services. Student is able to define the judicial basics of the status of health care professionals as well as their rights and obligations. In addition student knows patients' rights and understands their significance in legal assessment and responsibility of the work of the health care professionals. Student is also able to identify the means of legal protection available to the patient.

**Contents:**

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

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Lectures 10h, independent studying 51h, preparation for and completion of an on-line exam 23 h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

[Lasse Lehtonen, Mirva Lohiniva-Kerkelä, Irma Pahlman: Terveysjuridiikka, e-book, SanomaPro, Terveysfokus.](#)

Following legislation with applied changes during the period of time:

Decree on Health Care Professionals (564/1994)

Act on the Status and Rights of Patients (785/1992)

Potilasvahinkolaki (585/1986) – "Treatment injury act"; currently there is no translation of this document;

Health Care Act (1326/2010)

Mental Health Act (1116/1990)

Laki yksityisestä terveydenhuollosta (152/1990) – "Act on Private Health Care" currently there is no translation of this document

**Assessment methods and criteria:**

Written questioning, exam.

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

**Grading:**

1-5 / fail

**Person responsible:**

Part-time teacher Mirva Lohiniva-Kerkelä

### 352514A: Maturity test, 0 op

**Voimassaolo:** 01.08.2016 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Kristina Mikkonen

**Opintokohteen kielet:** Finnish

**Required proficiency level:**

Is part of the 352114A Bachelor Thesis and Written Maturity Test 10 ECTS cr participation in which requires completion of 352251A Qualitative Research Methods in Health Sciences 5 ECTS cr and Methods of Statistical Analysis in Health Sciences 5 ECTS cr.

**ECTS Credits:**

0 ECTS cr

**Learning outcomes:**

According to regulations in Government Decree on University Degrees (794/2004), 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 mastery of the topic of the thesis and skills in the use of Finnish or Swedish.

**Assessment methods and criteria:**

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

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

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352252A Methods of Statistical Analysis in Health Sciences (OPEN UNI) 5.0 op

**Required proficiency level:**

In order to participate, student has to have completed the courses included in A500105 Knowledge Management and Research (10op).

**ECTS Credits:**

5 ECTS cr

**Timing:**

Autumn term

**Learning outcomes:**

Upon completion of this course the students are able to plan the collection of data, to transfer the data into a form which can be processed with a computer and are able independently to use statistical software for processing and analysis of data. The students are able to apply basic statistical methods in analyzing research questions. 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 measures. Studying associations. Multivariable methods. Regression models. Reliability. Reporting the results. Article evaluation.

**Mode of delivery:**

Contact teaching and group exercise.

**Learning activities and teaching methods:**

Lectures 28h, group exercise 21h and written assignments.

**Target group:**

Undergraduate health science students.

**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 written 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

**352233A: Nursing Science, 10 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352233A Nursing Science (OPEN UNI) 10.0 op

**ECTS Credits:**

10 ECTS cr

**Timing:**

Autumn term

**Learning outcomes:**

The student is able to identify fundamentals of the philosophy and ethics of science, is able to describe the development of health sciences, schools of thought and various emphases within health sciences, and research areas. The student is able to define evidence based practice and to discuss the importance of evidence in health sciences in the development of health care.

**Contents:**

Fundamentals of the philosophy and ethics of science. Development of health sciences. Schools of thought and emphases, research areas. The importance of theoretical knowledge in health sciences and in the development of evidence based practice of health care.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures 20h, expert group work 20h, independent studying 115h and cooperative written assignment 115h.

**Target group:**

Undergraduate health science students.

**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.  
Eriksson K, Leino-Kilpi H & Vehviläinen-Julkunen K. 2008. Hoitotiede ja tiede-etiikka. Hoitotiede 6, 295-303.  
Holopainen, A, Junttila K, Jylhä, V, Korhonen, A, Seppänen S. 2013. Johda näyttö käyttöön hoitotyössä. Bookwell Oy, Porvoo.

Other current national and international scientific literature.

**Assessment methods and criteria:**

Active participation in lectures and expert group work (at least 80% of required participation). Cooperative written assignment. Self-evaluation.

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

**Grading:**

1-5 / fail

**Person responsible:**

Professor / university lecturer

**352251A: Research Methods in Health Science, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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



**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352251A Qualitative Research Methods in Health Sciences (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr

**Timing:**

Spring term

**Learning outcomes:**

Student is able in multiprofessional small groups, collaborative to choose critically evaluated and relevant research methods for the subject of research; knows requirements of good scientific writing; is able to develop problem solving skills and use creativity in evaluating and applying basic ethical issues related to research and researchers; is able to evaluate reliability of qualitative research. Student is able to write a research plan with work-life orientation and apply in it previous studies on research methods.

**Contents:**

Data collection and analysis in qualitative research, evaluation of reliability, ethical principles, writing of a research plan and a research report.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

Lectures and exercises 25h, independent and group work 110h.

**Target group:**

Undergraduate health science students.

**Prerequisites and co-requisites:**

**Recommended or required reading:**

Current scientific literature and articles.

**Assessment methods and criteria:**

Active participation in exercises and group work. Self evaluation, peer evaluation.

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

**Grading:**

1-5 / fail

**Person responsible:**

University lecturers in nursing and health management sciences