

# Opasraportti

## LTK - Nursing Science (2015 - 2016)

### DEGREE PROGRAMME IN NURSING SCIENCE

#### CURRICULUM 2015-2016

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 lead 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 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 (licentiate degree, doctoral degree).

Those who have completed the Degree Programmes 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.

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 31.8.2015-13.5.2016. Additionally there is a period for examinations and for catching up 16.5-27.5.2016. 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 made 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 needed funding.

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).

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 Institute of Health Sciences 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 2015-2016](#)

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-III 6 ECTS cr:

350001Y Part I, Guidance for Study and Working Experience, Study Tutorials 1 ECTS cr

350042Y Part II, Development in Expertise in Health Sciences and Professional Cooperation 3 ECTS cr

350043Y Part III, Professional Cooperation and Innovation 2 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 for scientific communication. The student recognizes the properties of scientific information, understands the research process, and is able to obtain, apply, report and evaluate scientific knowledge. 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 Foreign Language, English 3 ECTS cr

900008Y Oral Communication 3 ECTS cr

A500105 Knowledge Management and Research I 6,5 ECTS cr

040021Y Knowledge Management and Research I: Tools 1 ECTS cr

040022Y Knowledge Management and Research I: Written assignment 2 ECTS cr

040023Y Knowledge Management and Research I: Basics in scientific research 2 ECTS cr

040024Y Knowledge Management and Research I: Literature retrieval 1,5 ECTS cr

A500105 Knowledge Management and Research II 3,5 ECTS cr

040025Y Knowledge Management and Research II: Lessons and written examination 1,5 ECTS cr

040026Y Knowledge Management and Research II: Small group exercises 1 ECTS cr

040027Y Knowledge Management and Research II: Practical project 1 ECTS cr

**BASIC STUDIES 25 ECTS cr and INTERMEDIATE STUDIES 45 ECST cr**

***Health Sciences 60 ECTS cr***

The Institute of Health Sciences 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.

**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

***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 a study module of at least 25 ECTS cr. Studies completed at other universities (basic or subject studies) may be credited for the study module at least 25 ECTS cr in the minor subject.

**OPTIONAL STUDIES 60 ECTS cr**

Optional studies are basic studies, intermediate studies or advanced studies completed at the Institute of Health Sciences, at the University of Oulu and at other national/international institutions or universities. Optional studies may include single study units.

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

**Following studies may be included in Minor or Optional Studies:**

**Clinical Nursing Science 40 ECTS cr:**

[351180P](#) Fundamentals of clinical care and nursing science 10 ECTS cr

[352227A](#) Leadership in Evidence Based Practice 5 ECTS cr

[352226A](#) Clinical training 15 ECTS cr

**Health Promotion 25 ECTS cr / 40 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

OR

[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

[352226A](#) Clinical training 15 ECTS cr

### **Advanced Studies in Occupational Health Care 25 ECTS cr**

#### **Other single study units:**

354202A Research Ethics in Health Sciences 5 ECTS cr

532999P Health Sciences Marketing 2 ECTS cr

353002A Health, Security and Wellbeing in the North 6 ECTS cr

353003A Health Impacts of Climate Change 4 ECTS cr

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

### **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. The decision for accreditation of studies by individual students is made by the head of the degree programme Professor Helvi Kyngäs. <http://www.oulu.fi/english/studying/supporting-your-studies/recognition-prior-learning-rpl>

Studies to be credited from a vocational college, university of applied science or Master's degree in health care from a university of applied sciences, other universities requires separate application procedure. Forms of acceptance can be found in web-pages of Oulu University: [http://www.oulu.fi/dokumentit/RPL\\_1A.pdf](http://www.oulu.fi/dokumentit/RPL_1A.pdf)

Application to have credits accepted has to be submitted to the teacher responsible for the study unit and further dealt with by the chairperson of the Degree Programme. The decisions on credit transfer for language and communication Studies are made through the Languages and Communication Extension School.

### **Provisions of Prior Learning Recognition at the Institute of Health Sciences**

Previously completed study modules in basic or subject studies may be recognized and accepted as the whole module. Exceptional cases are dealt with individually.

Studies, which are 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.

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

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

### *Development in Academic Expertise*

#### **350043Y Professional Cooperation and Innovation 2 ECTS cr**

The course is accepted based on prior qualification in health care from vocational college diploma and in health care from university of applied 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**

Designed for intermediate- and advanced- level students, Swedish courses at the University of Oulu are tailored to meet the language needs of the university's academic programmes as well as those of the students' professional fields. Consequently, Swedish language skills at a lower level are not eligible for the RPL process. Credits can be given for learning that corresponds to the learning outcomes of particular Swedish courses offered by the Extension School. If you have such skills, please consult our [RPL pages](#) for details on the RPL procedure and how to apply for RPL credits.

In case of students who have been educated in a language other than Finnish or Swedish, or a student who has been educated abroad, the university may either totally or partially exempt a students from the requisite language skills referred to Government Decree (798/2004), Language Proficiency Section 6.

#### **902008Y Foreign Language, English 3 ECTS cr**

Language and Communication study units may be accepted on the basis of upper secondary education taught in English, and/or IB- diploma, Bachelor's or Master's degree taught in English, or English language two exemption tests (reading comprehension and written / oral production) by the Languages and Communication Extension School, University of Oulu ( [RPL- process](#)).

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

The course is accepted based on prior qualification in health care from vocational college diploma and in health care from university of applied sciences.

### *Health Sciences*

The basic studies in Health Sciences 25 ECTS cr are accepted based on prior qualification in health care from university of applied sciences or other universities if the whole study module was previously completed. The study module may be also accepted on the basis of prior qualification in health care from vocational college diploma by completing a general subject test.

### *Optional Studies*

The optional studies 60 ECTS cr towards Bachelor's Degree in Health Sciences are accepted based on prior qualification in health care from vocational college diploma and in health care from university of applied sciences.

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

Year/ Term	Studies	Total ECTS cr / term	
	<b>BASIC STUDIES</b>		

GENERAL STUDIES (25 ECTS cr)	(25 ECTS cr) and INTERMEDIATE STUDIES (45 ECST cr)	MINOR SUBJECT (25 ECTS cr)	OPTIONAL STUDIES (60 ECTS cr)		
<b>Development in Academic Expertise and Language and Communication Skills</b>	Health Sciences	Scientific Practice and Research Skills			
1st year/ autumn term	4 ECTS cr	25 ECTS cr	-	1 ECTS cr	30 ECTS cr
1st year/ spring term	13 ECTS cr	-	5 ECTS cr	12 ECTS cr	30 ECTS cr
2nd year/ autumn term	3 ECTS cr	10 ECTS cr	5 ECTS cr	12 ECTS cr	30 ECTS cr
<b>Total ECTS cr</b>	<b>20 ECTS cr</b>	<b>35 ECTS cr</b>	<b>10 ECTS cr</b>	<b>25 ECTS cr</b>	<b>90 ECTS cr</b>
<b>Bachelor Degree total 90 ECTS Credits</b>					

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

***Development in Academic Expertise***

350001Y Part I, Guidance for Study and Working Experience, Study Tutorials 1 ECTS cr

***Language and Communication Skills***

A500105 Knowledge Management and Research I 6, 5 ECTS cr

040021Y Knowledge Management and Research I: Tools 1 ECTS cr

040022Y Knowledge Management and Research I: Written assignment 2 ECTS cr

***Health Sciences***

351138A Legal Aspects of Health Care 5 ECTS cr

352232A Health Management Science 10 ECTS cr

352233A Nursing Science 10 ECTS cr

***Minor Subject 1 ECTS cr***

1st year / spring term

***Development in Academic Expertise***

350042Y Part II, Development in Expertise in Health Sciences and Professional Cooperation

3 ECTS cr

***Language and Communication Skills***

902008Y Foreign Language, English 3 ECTS cr

040023Y Knowledge Management and Research I: Basics in scientific research 2 ECTS cr

040024Y Knowledge Management and Research I: Literature retrieval 1,5 ECTS cr

A500105 Knowledge Management and Research II 3, 5 ECTS cr

040025Y Knowledge Management and Research II: Lessons and written examination 1,5 ECTS cr

040026Y Knowledge Management and Research II: Small group exercises 1 ECTS cr

040027Y Knowledge Management and Research II: Practical project 1 ECTS cr

***Scientific practices and research skills***

352251A Qualitative Research Methods in Health Sciences 5 ECTS cr

***Minor Subject 12 ECTS cr***

2nd year / autumn term

***Language and Communication Skills***

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

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

***Health Sciences***

352114A Bachelor Thesis and Written Maturity Test 10 ECTS cr

***Scientific practices and research skills***

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



**Minor Subject 12 ECTS cr****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 independently 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 2015- 2016](#)

The Degree Programme Master of Health Sciences consists of following areas of competencies: Health Sciences, Scientific Practices and Research Skills, Minor Subject and Optional Studies.

**ADVANCED STUDIES IN NURSING SCIENCE 62 ECTS cr*****Nursing science 52 ECTS cr*****Studies included in the area of competence:**

353101S Nursing Science II 5 ECTS cr

353101S Nursing Science III 7 ECTS cr

353225S Master Thesis and Research Seminars 40 ECTS cr

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

353227S Part II, Master Thesis and Research Seminars 25 ECTS cr

353205S Written Maturity Test 0 ECTS cr

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

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

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

**MINOR SUBJECT 35 ECST cr**

The students may adjust their studies according to their personal objectives by the choice of minor subjects and optional studies. These include national or international studies in various fields of science according to the Personal Study Plan (e-PSP) of each student.

**OPTIONAL STUDIES 23 ECTS cr**

Optional studies are basic studies, intermediate studies or advanced studies completed at the Institute of Health Sciences, at the University of Oulu and at other national/international institutions or universities.

Following studies may be included in Minor or Optional Studies:

**Clinical Nursing Science 40 ECTS cr:**

[351180P](#) Fundamentals of clinical care and nursing science 10 ECTS cr

[352227A](#) Leadership in Evidence Based Practice 5 ECTS cr

[352226A](#) Clinical training 15 ECTS cr

**Health Promotion 25 ECTS cr / 40 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

**OR**

[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

[352226A](#) Clinical training 15 ECTS cr

**Advanced Studies in Occupational Health Care 25 ECTS cr**

**Other single study units:**

354202A Research Ethics in Health Sciences 5 ECTS cr

532999P Health Sciences Marketing 2 ECTS cr

353002A Health, Security and Wellbeing in the North 6 ECTS cr

353003A Health Impacts of Climate Change 4 ECTS cr

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

### 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. The decision for accreditation of studies by individual students is made by the head of the degree programme Professor Helvi Kyngäs. <http://www.oulu.fi/english/studying/supporting-your-studies/recognition-prior-learning-rpl>

Studies to be credited from a vocational college, university of applied science or Master's degree in health care from a university of applied sciences, and other universities requires separate application procedure. Forms of acceptance can be found in web-pages of Oulu University: ( [http://www.oulu.fi/dokumentit/RPL\\_1A.pdf](http://www.oulu.fi/dokumentit/RPL_1A.pdf)). Application to have credits accepted has to be submitted to the teacher responsible for the study unit and further dealt with by the chairperson of the Degree Programme.

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

Based on a previous Master's degree from a university of applied sciences and /or other universities, 25-50 ECTS credits may be accepted by the head of the degree programme. The student must submit a written statement of how the previous studies supplement the current degree studies in health sciences ( [RPL- process](#)).

### Studies of Master Degree in Health Sciences per Semester

Year/ Term	Studies	Total ECTS cr / term			
<b>ADVANCED STUDIES IN NURSING SCIENCE</b> (62 ECTS cr)	<b>MINOR SUBJECT (35 ECTS cr)</b>	<b>OPTIONAL STUDIES</b> (23 ECTS cr)			
<b>Nursing Science</b>	<b>Scientific Practice and Research Skills</b>				
1st year/ autumn term	-	-	20 ECTS cr	10 ECTS cr	30 ECTS cr

1st year/ spring term	5 ECTS cr	10 ECTS cr	10 ECTS cr	5 ECTS cr	30 ECTS cr
2nd year/ autumn term	22 ECTS cr	-	5 ECTS cr	3 ECTS cr	30 ECTS cr
2nd year / spring term	25 ECTS cr	-	-	5 ECTS cr	30 ECTS cr
<b>Total ECTS cr</b>	<b>52 ECTS cr</b>	<b>10 ECTS cr</b>	<b>35 ECTS cr</b>	<b>23 ECTS cr</b>	<b>120 ECTS cr</b>
<b>Master Degree total 120 ECTS Credits</b>					

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

***Minor Subject 20 ECTS cr***

***Optional Studies 10 ECTS cr***

1<sup>st</sup> year /spring term

***Nursing Science***

353101S Nursing Science II 5 ECTS cr

***Scientific Practices and Research Skills***

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

***Minor Subject 10 ECTS cr***

***Optional Studies 5 ECTS cr***

2<sup>nd</sup> year / autumn term

***Nursing Science***

353101S Nursing Science III 7 ECTS cr

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

***Minor Subject 5 ECTS cr***

***Optional Studies 3 ECTS cr***

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

***Nursing Science***

353227S Part II, Master Thesis and Research Seminars 25 ECTS cr

353205S Written maturity test 0 ECTS cr

***Optional Studies 5 ECTS cr***

## Tutkintorakenteet

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

Tutkintorakenteen tila: published

Lukuvuosi: 2015-16

Lukuvuoden alkamispäivämäärä: 01.08.2015

#### General Studies (6 op)

##### Development in Academic Expertise

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

350042Y: Academic Study and Expertise in Health Sciences, part II: Development in Expertise in Health Sciences and Professional Cooperation, 3 op

350043Y: Academic Study and Expertise in Health Sciences, part III: Professional cooperation and Innovation, 2 op

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

##### Scientific Communication Skills

902008Y: Academic English, 3 op

900008Y: Basics of Oral Communication, 3 op

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

##### *Compulsory*

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

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

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

040023Y: Knowledge and research, Basic in scientific research, 0,5 op

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

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

040024Y: Knowledge and research II, Literature retrieval, 4 op  
 040024Y: Knowledge and research II, Literature retrieval, 4 op  
 040023Y: Knowledge and research, Basic in scientific research, 0,5 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**

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 (35 op)**

Health sciences

352114A: Bachelor Thesis and Written Maturity Test, 6 op  
 352232A: Health Administration Science, 10 op  
 351138A: Legal Aspects of Health Care, 3 - 5 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)**

At the University of Oulu or other universities, a study module has to be completed according to the Personal Study Plan (PSP). E.g.

Health Promotion 25 ECTS cr

Advanced Studies in Occupational Health Care 25 ECTS cr

## **Optional Studies (60 op)**

## **Degree Programme in Nursing Science, MHSc**

Tutkintorakenteen tila: published

Lukuvuosi: 2015-16

Lukuvuoden alkamispäivämäärä: 01.08.2015

## **Advanced studies in nursing science (62 op)**

Nursing science 52 ECTS cr

Scientific practices and research skills 10 ECTS cr

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

### Minor Subject (vähintään 25 op)

At the University of Oulu or other universities, a study module has to be completed according to the Personal Study Plan (PSP). E.g.

Clinical Nursing Science 25-35 ECTS cr

Health Promotion 25 ECTS cr

Advanced Studies in Occupational Health Care 25 ECTS cr

**Optional studies**

### (vähintään 23 op)

At the University of Oulu or other universities, a study module has to be completed according to the Personal Study Plan (PSP). E.g.

354202A Research Ethics in Health Sciences 5 ECTS cr

532999P Health Sciences Marketing 2 ECTS cr

353002A Health, Security and Wellbeing in the North 6 ECTS cr

353003A Health Impacts of Climate Change 4 ECTS cr

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

Studies in Clinical Nursing Science 25 ECTS cr

Health Promotion 25 ECTS cr

Advanced Studies in Occupational Health Care 25 ECTS cr

### Minor Subjects (25 - 40 op)

**Following studies may be included in Minor or Optional Studies:**

**Clinical Nursing Science 30 ECTS cr:**

351180P Fundamentals of clinical care and nursing science 10 ECTS cr

352227A Leadership in Evidence Based Practice 5 ECTS cr

352226A Clinical training 15 ECTS cr

**Health Promotion 25 ECTS cr / 40 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

**OR**

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

352226A Clinical training 15 ECTS cr

352226A: Clinical training, 15 op

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

352261A: Health Promotion, 10 op

352227A: Leadership in Evidence Based Practice, 5 op

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

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

## Opintojaksojen kuvaukset

### Tutkintorakenteisiin kuuluvien opintokohteiden kuvaukset

#### **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 terms

**Learning outcomes:**

The student will be able to operate in the community of the university and in multi-professional networks. The students learn to plan their learning and career, and to evaluate themselves and their actions as learners and as future professionals. Students develop a clear vision of their future studies and continual learning.

**Contents:**

Student is introduced to the learning environment of the research group of Nursing Science and Health Management Science at the University of Oulu. This includes knowledge about student status, rights, obligations and organizational guidance for students. The study module comprises of the degree programme presentation, planning and assessment of one's own personal study style, study plan, and tutorials with one's teacher. Additionally the study module includes planning of career goals, recognition of one's own professional strengths/weaknesses, and readiness development for professional contexts and orientation with the help of degree studies.

**Mode of delivery:**

Multidimensional teaching methods

**Learning activities and teaching methods:**

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

**Target group:**

Undergraduate health science students.

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

No

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. Active participation in contact teaching and events, planning of the Personal Study Plan (e-PSP) and its evaluation.

**Grading:**

Pass / fail

**Person responsible:**

University teacher/ doctoral candidate

**Working life cooperation:**

No

### **350042Y: Academic Study and Expertise in Health Sciences, part II: Development in Expertise in Health Sciences and Professional Cooperation, 3 op**

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS cr

**Timing:**

Spring term

**Learning outcomes:**

The student identifies aspects of expertise and understands the foundations for professional career planning. The student can explain and evaluate the relation between education and professional situations in the development of their expertise. The student is able to plan one's own career and practical training, recruitment and the obtaining of employment. Additionally, the student is able to discuss working life demands, challenges and cooperative employment possibilities in health care education and leadership areas.

**Contents:**

Academic expertise and career planning, student's own expertise profile/portfolio. Professional networks and development plan.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

PBL-working 18h, lectures by experts 8h, and independent studying 59h (includes examining literature, study visits and working on a portfolio on expertise).

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Relevant scientific literature and research.

**Assessment methods and criteria:**

The study unit includes continual assessment. Assessment includes self-assessment, peer-assessment and teacher's assessment. Active participation is required in contact teaching and PBL-work (80%). Additionally the student continues to work on one's own expertise profile until the completion of a Bachelor's degree. The study unit includes continuous self-evaluation, peer-evaluation and teacher's evaluation.

**Grading:**

Pass/fail

**Person responsible:**

University teacher/ university lecturer

### **350043Y: Academic Study and Expertise in Health Sciences, part III: Professional cooperation and Innovation, 2 op**

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2 ECTS cr

**Timing:**

Autumn term

**Learning outcomes:**

The student is able to plan one's own professional network and social innovation for the purpose of use in real working environment. The student is able to use opportunities when observing in a real working environment and complete the observation by completing a self-assessment and report of one's learning process. The student is able to recognize and plan one's own continual learning and professional development.

**Contents:**

Professional networks and social innovations.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Contact teaching 2h, observation of expertise in real working environment 8h, active online learning 20h, and independent learning with production of a plan and an observational report 24h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Relevant scientific literature and research.

**Assessment methods and criteria:**

The study unit includes continual assessment. Assessment of the plan and observational report includes self-assessment, peer-assessment and teacher's assessment.

**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:** Negotiated Education

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

**Opintokohteen kielet:** English

**Leikkaavuudet:**

ay902008Y Academic English (OPEN UNI) 3.0 op

**Proficiency level:**

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 opinions 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.

**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:**

Language and Communication study units may be accepted on the basis of upper secondary education taught in English, and/or IB- diploma, Bachelor's or Master's degree taught in English, or two English language exemption tests (reading comprehension and written / oral production) in accordance with the recognition of prior learning (AHOT 1B) process. 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 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 **sign up for the exam in WebOodi by 15<sup>th</sup> January**. The exemption test and presentation of oral production will be organised in February. 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:** Negotiated Education

**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.

*Compulsory*

**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

Ei opintojaksokuvauksia.

**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:**

0,5 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.

**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 (0,5 ECTS) Knowledge Management and Research, Tools

**Target group:**

Medical, dental and medical wellness technology students

**Prerequisites and co-requisites:**

None.

**Recommended optional programme components:**

Knowledge Management and Research II  
 040105Y Basics in Epidemiology  
 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.

**Grading:**

Pass/fail

**Person responsible:**

Senior lecturer 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.

**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:**

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

**Target group:**

Medical, dental and medical wellness technology students

**Prerequisites and co-requisites:**

None.

**Recommended optional programme components:**

Knowledge Management and Research II  
 040105Y Basics in Epidemiology  
 041001Y Evidence Based Medicine  
 902006Y Reading for Academic Purposes  
 902007Y Scientific Communication

**Recommended or required reading:**

Material in lessons.

**Assessment methods and criteria:**

Completion of practical project.

**Grading:**

Pass/fail.

**Person responsible:**

Senior lecturer Pentti Nieminen.

**040023Y: Knowledge and research, Basic in scientific research, 0,5 op**

**Voimassaolo:** 01.08.2014 - 31.07.2017

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Medicine

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

0,5 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:**

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 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.

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:**

040023Y (0,5 ECTS) Knowledge Management and Research, Basics in scientific research

**Target group:**

Medical, dental and medical wellness technology students

**Prerequisites and co-requisites:**

None.

**Recommended optional programme components:**

Knowledge Management and Research II  
 040105Y Basics in Epidemiology  
 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:**

Pass/fail.

**Person responsible:**

Senior lecturer 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

Ei opintojaksokuvauksia.

**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

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:**

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.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

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

**Target group:**

Medical, dental and medical wellness technology students

**Prerequisites and co-requisites:**

None.

**Recommended optional programme components:**

Knowledge Management and Research II

040105Y Basics in Epidemiology

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:**

Pass/fail

**Person responsible:**

Senior lecturer Pentti Nieminen

**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:**

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.

**Mode of delivery:**

Blended teaching.

**Learning activities and teaching methods:**

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

**Target group:**

Medical, dental and medical wellness technology students

**Prerequisites and co-requisites:**

None.

**Recommended optional programme components:**

Knowledge Management and Research II

040105Y Basics in Epidemiology

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:**

Pass/fail

**Person responsible:**

Senior lecturer Pentti Nieminen

## **040023Y: Knowledge and research, Basic in scientific research, 0,5 op**

**Voimassaolo:** 01.08.2014 - 31.07.2017

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Medicine

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

0,5 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:**

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 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.

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:**

040023Y (0,5 ECTS) Knowledge Management and Research, Basics in scientific research

**Target group:**

Medical, dental and medical wellness technology students

**Prerequisites and co-requisites:**

None.

**Recommended optional programme components:**

Knowledge Management and Research II

040105Y Basics in Epidemiology

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:**

Pass/fail.

**Person responsible:**

Senior lecturer 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

Ei opintojaksokuvauksia.

**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

Ei opintojaksokuvauksia.

**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

Ei opintojaksokuvauksia.

**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:**

0,5 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.

**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 (0,5 ECTS) Knowledge Management and Research, Tools

**Target group:**

Medical, dental and medical wellness technology students

**Prerequisites and co-requisites:**

None.

**Recommended optional programme components:**

Knowledge Management and Research II

040105Y Basics in Epidemiology

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.

**Grading:**

Pass/fail

**Person responsible:**

Senior lecturer 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.

**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:**

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

**Target group:**

Medical, dental and medical wellness technology students

**Prerequisites and co-requisites:**

None.

**Recommended optional programme components:**

Knowledge Management and Research II

040105Y Basics in Epidemiology

041001Y Evidence Based Medicine

902006Y Reading for Academic Purposes

902007Y Scientific Communication

**Recommended or required reading:**

Material in lessons.

**Assessment methods and criteria:**

Completion of practical project.

**Grading:**

Pass/fail.

**Person responsible:**

Senior lecturer Pentti Nieminen.

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

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Negotiated Education

**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:** Negotiated Education

**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 (ISKED-classification) and the programmes of the Finnish National Board of Education. The student is able to recognize the main goals and strategies of the Finnish Ministry of Education and Culture, internationalism and co-operation. The student is able to justify their understanding of the subject in their learning diary and in their own learning evaluation.

**Contents:**

Social and health care education system. Objectives and programmes of Finnish Education. Internationalization in Finnish higher education institutions. Legislation of Finnish higher education.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Independent studying in the e-learning environment and reading of literature 60h, peer evaluation of learning diary 17h, evaluating received information and writing assignment 58h.

**Target group:**

Health science students.

**Recommended or required reading:**

Independent studying in the e-learning environment and reading of literature 60h, peer evaluation of learning diary 17h, evaluating received information and writing assignment 58h.

**Assessment methods and criteria:**

Active and independent studying is required in the e-learning environment. Students actively read literature and complete written assignments. This course unit utilizes continuous assessment.

**Grading:**

Pass/fail

**Person responsible:**

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 foundational knowledge for health care management.

**Contents:**

Legislation in the promotion of welfare, social and health services, working life and gender equality. Legislation in health care management, preliminary skills and legislative grounds of management in social and health care fields.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Independent studying in the e-learning environment, reading of literature 77h, evaluating received information and writing assignment 58h.

**Target group:**

Health science students.

**Recommended or required reading:**

Materials/reports of Parliament of Finland, Ministry of Social Affairs and Health, Statistics of Finland, Ministry of Justice in Finland, Finnish legislation of health care and other relevant national and international scientific literature.

**Assessment methods and criteria:**

Active and independent studying is required in the e-learning environment. Students actively read literature and complete the writing assignment. This course unit utilizes final assessment based on a written assignment.

**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 fundamental values of health care services. The student is able to identify the norms and ethical principles underlying the operation of health care, to recognize the central ethical issues in health care, is able to compare the effect of the norms and regulations arising from different cultural backgrounds on health care and patient care. The student is able to critically evaluate ethical decision making in the operational environment of health care. Student is able to define Evidence Based Practice by linking research with practice. Student is able to define the general process of research planning and choosing of a research method. Student identifies the differences between qualitative and quantitative studies. Student recognizes the main principles of good scientific writing, and learns the necessary abilities in referencing.

**Contents:**

Ethical principles and professional health care ethics, examination of ethical questions from different perspectives and the effect of culture in health care. Evidence-based practice. Literature review. Context and stages in qualitative and quantitative research methods. The development of research process. Scientific writing and referencing.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Independent studying and reading in e-learning environment 80h, evaluating the received information and writing of the assignment 40h., preparation for exam and exam 15h.

**Target group:**

Health science students.

**Recommended or required reading:**

Materials/reports of National Advisory Board on Social Welfare and Health Care Ethics ETENE, Ethical grounds for the social and health care field (2011), and other relevant national and international scientific literature provided in Optima.

**Assessment methods and criteria:**

Active and independent studying is required in the e-learning environment. Students actively read literature and complete the writing assignment. This course unit utilizes assessment based on written assignment and exam including self-evaluation and teacher's evaluation.

**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 op

**Timing:**

Autumn term

**Learning outcomes:**

Student is able to define the general principles of the Finnish health care system and public health programs of prevention by comparing their principles and programs to those of the World Health Organization. The student is able to distinguish the main functions of inter-professional networking. The student is able to plan, classify and critically justify their new health prevention program with the right ethical focus of health science and patients' wellness.

**Contents:**



Ministry of social affairs and health state, its goals and duties, strategies and programmes. Department for the promotion of welfare and health in Finland, Finnish health care policy. Finnish social and health care services, organization of these services and social protection. World Health Organization. Planning of Inter-professional Health and Wellbeing Promotion and Prevention. Inter-professional co-operation and support for the client.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Independent active studying in the e-learning environment, in the first part of the course: reading of literature 78h and exam 3h in the e-learning environment, in the second part of the course: reading of literature 40h and writing of an assignment and designing a health promotion leaflet 20h.

**Target group:**

Health science students.

**Recommended or required reading:**

Materials/reports of Ministry of Social Affairs and Health, National Institute for Health and Welfare, World Health Organization, Finnish legislation of health care, relevant scientific literature and Lammi-Taskula, J. (toim.) 2012. Sosiaali- ja terveydenhuollon perusteet. 7.-8.painos.

**Assessment methods and criteria:**

Active and independent studying is required in the e-learning environment. In the first part the students actively read literature and prepare for the online exam. In the second part the student completes a home assignment including an argumentation with the goal of creating a health promotion leaflet. This course unit utilizes continuous assessment based on self-assessment and teacher's assessment.

**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:**

Student is able to use the online learning environment, study independently, and critically evaluate their own learning philosophy and learning style and process in health sciences. The student is able to define science and the various fields of science. The student is able to further explain the position of health sciences among the different fields of science. The student is capable of identifying current issues of research in health sciences in Finland and internationally, in health care management/ in nursing science/ in health science teaching.

**Contents:**

E-learning environment Optima, personal learning philosophy and style in health sciences. Identifying different areas of science and the position of health sciences among the different fields of science, current issues of research in health sciences and health care management.

**Mode of delivery:**

Teaching 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, making a search of scientific literature and reading 85h, preparation for exam 20h and exam 3h.

**Target group:**

Health science students.

**Recommended or required reading:**

E-learning environment provides materials for reading, relevant national and international scientific literature.

**Assessment methods and criteria:**

Active and independent study is required in the e-learning environment. Students actively read literature and produce a mind map, make a literature search and read scientific articles, e-learning exam. This course unit utilizes continuous assessment including self-evaluation and teacher's evaluation.

**Grading:**

Pass/fail

**Person responsible:**

Doctoral candidate (health management science)

**352114A: Bachelor Thesis and Written Maturity Test, 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:

352251 Qualitative Research Methods in Health Sciences 4 ECTS cr,

352252A-01 Methods of Statistical Analysis in Health Sciences Part I 3,5 ECTS cr,

352252A-02 Methods of Statistical Analysis in Health Sciences Part II 3,5 ECTS cr.

**ECTS Credits:**

10 ECTS

**Language of instruction:**

Finnish

**Timing:**

Autumn term

**Learning outcomes:**

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

According to regulations in Government Decree on University Degrees (794/2004), Section 10, 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:**

The planning of the research process, carrying out of the research and evaluation. 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 / field of specialization. Written maturity test.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Supervision, seminars and group work 16h, acting as an opponent to another student 4h, reading and retrieving of literature 100h, writing of thesis 138h, preparation for the test and maturity test 12h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Scientific literature relevant to the Bachelor thesis.

**Assessment methods and criteria:**

: Independent studying, supervision taking place in small groups and seminars, writing of the Bachelor thesis, presenting/discussing the thesis and a written maturity test.

**Grading:**

Pass / Fail

**Person responsible:**

Doctoral candidate

**Working life cooperation:**

No

## 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 students are able to analyze and critically evaluate research relating to health management, its development and history so that they can formulate an essay based on their multiprofessional group work. The student is able to build the framework of national and international health politics in the theme discussion.

**Contents:**

Health administration science as a research and study subject and the central concepts and approaches. The historical development of health care administration.

**Mode of delivery:**

Contact teaching.

**Learning activities and teaching methods:**

Lectures 8h, independent studying 53h and essay 60h; theme discussion groups 10h and independent studying 139h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Relevant scientific literature, and literature 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%.

**Grading:**

1-5/fail

**Person responsible:**

Professor of 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:**

Students are able to define the legislation that regulates the production of health services and know the main focus of content. Students know the judicial basics of the status of health care professionals as well as their rights and obligations. Students are also familiar with patients' rights and understand their significance from the viewpoint of legal assessment and responsibility for professional activity in health care services. Students are able to identify the means of legal protection available to the patient and are able to apply knowledge of legislation in problem solving.

**Contents:**

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

**Mode of delivery:**

Contact teaching and e-learning.

**Learning activities and teaching methods:**

Lectures 10h, independent studying 34h and e-learning environment 51h, preparation for exam and exam 40h.

**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) – currently there is no translation of this document

Sosiaali- ja terveysministeriön asetus potilasasiakirjoista (298/2009)- – currently there is no translation of this document

Health Care Act (1326/2010)

Mental Health Act (1116/1990)

Laki yksityisestä terveydenhuollosta (152/1990) - currently there is no translation of this document

Following legislations 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) – currently there is no translation of this document

Health Care Act (1326/2010)

Mental Health Act (1116/1990)

Laki yksityisestä terveydenhuollosta (152/1990) - currently there is no translation of this document

**Assessment methods and criteria:**

Taking part in e-learning environment and written questioning, exam.

**Grading:**

1-5/fail

**Person responsible:**

Part-time teacher Mirva Lohiniva-Kerkelä

## 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

**ECTS Credits:**

5 ECTS cr

**Timing:**

Autumn term

**Learning outcomes:**

Upon the completion of the studies 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 to use statistical software. The students are able to apply basic statistical methods in analyzing research questions in the field of health sciences. Additionally, the students are able to report research results and to recognize the issues which are important in interpreting the results. The students are aware of the advanced statistical methods applied in analyzing research data in health sciences. The students are able to apply multivariable methods, especially regression models. The students are able to report empirical results of multivariable methods used in international health science publications and recognize the issues involved in interpreting the results.

**Contents:**

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

**Mode of delivery:**

Contact teaching and group exercise.

**Learning activities and teaching methods:**

Lectures 28h, group exercise 21h and home assignment.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Lecture presentations and group work materials. Uhari M ja Nieminen P: Epidemiologia ja biostatistiikka. Toinen painos Duodecim, 2012.

**Assessment methods and criteria:**

Final examination, accepted written assignments and participation in group exercises

**Grading:**

Pass/fail

**Person responsible:**

Associato Professor 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 aware of the fundamentals of the philosophy of science and ethics, 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 of science and ethics. 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:**

Multidimensional teaching methods.

**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 relevant national and international scientific literature.

**Assessment methods and criteria:**

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

**Grading:**

1-5/ fail

**Person responsible:**

Professor of nursing science/ 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 to choose critically evaluated and relevant research methods for the subject of research in multidisciplinary small group work; is aware of the requirements of good scientific writing; is able to evaluate basic ethical issues relating to research and researchers, is able to evaluate and define trustworthiness of qualitative studies. Student is able to write a research plan and develop previously learned research methods in practical exercise tasks.

**Contents:**

Collecting qualitative research data and analyzing the data, trustworthiness in qualitative research, principles of research ethics, writing of a research plan and a research report.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

The course utilizes continuous evaluation. Lectures and exercises 25h, independent studying and group work 110h. 80% of required participation in contact teaching.

**Target group:**

Undergraduate health science students.

**Prerequisites and co-requisites:**

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

Active participation in exercises and group work.

**Grading:**

1-5/fail

**Person responsible:**

University lecturers of nursing and health management sciences

## 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

**Timing:**

Autumn term

**Learning outcomes:**

Having completed the course the student is able to critically justify and present persuasively the choice of one's research topic and the key methodological choices for the different stages of the research process. The student is able to plan and produce a good research plan.

**Contents:**

: Idea paper and drafting a research plan. Scientific discussions and peer-evaluation.

**Mode of delivery:**

Multidimensional teaching

**Learning activities and teaching methods:**

Seminars and small group work 12h, the defense of a doctoral thesis 8h+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.

**Recommended or required reading:**

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

**Assessment methods and criteria:**

Accepted research idea paper. Participation in public defenses for a doctoral thesis and the writing of a report. Group work during seminar days, small group work in e-learning environment. Peer-evaluation of research plan. Accepted research plan.

**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

**Learning outcomes:**

The student is able to apply the information and skills gained during their study in their own area of expertise and create a scientific study independently or as a member of a research project. The student demonstrates his/her skills of the chosen research methods. The student is able to produce a thesis according to the criteria required of a scientific report or other assignment at an equivalent level. The student is able to evaluate theses made by other students, take part in scientific discussions and explicate the reasoning within one's thesis.

**Contents:**

Gaining sufficient knowledge in international scientific research relating to the subject of Master thesis. Producing a Master thesis in accordance with criteria for scientific research. Discussion of thesis and presentation of results.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Individual supervision and small group work in seminars 30h (presentation of thesis, participation in discussions and practice of being an opponent for another one's thesis), reading and retrieving of the national/international literature /research data 300h,

**Target group:**

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

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

Individual or work in pairs of one to two students. Participation in seminars. The Master Thesis may also be produced as a scientific article (on separate agreement with one's supervisor). If the student has not written the maturity test related to the Bachelor's thesis, the written maturity test has to be written after the Master thesis.

**Grading:**

1-5/fail

**Person responsible:**

University lecturer/ university teacher

### 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 knows firstly how to look for and use up-to-date and reliable knowledge of health sciences; secondly how to evaluate the quality of knowledge within health sciences; and thirdly how to apply theories of health sciences and to solve problems in professional settings based on evidence based practice.

**Contents:**

Different areas of scientific knowledge within health sciences and evaluation of knowledge. Theories of health sciences as a foundation for evidence based practice. Evidence based knowledge. Evidence based practice in social and health care.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Guided exercises 20h, small group work and independent studying 40h and written assignment 75h.

**Target group:**

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

**Recommended or required reading:**

Lauri S ja Kyngäs H. 2006. Hoitotieteen teorian kehittäminen. Sanoma Pro Oy.

Holopainen A, Junttila K, Jylhä V, Korhonen A, Seppänen S. 2013. Johda näyttö käytäntöön hoitotyössä. Suomen sairaanhoitajaliitto ry, Fioca Oy, Helsinki.

Relevant international scientific articles.

**Assessment methods and criteria:**

Active participation in contact teaching (80%) and group work assignment.

**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

Ei opintojaksokuvauksia.



## 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 define the features and methodological issues in quantitative and qualitative research in depth by connecting previous knowledge with advanced knowledge of the course;

is able to choose and apply types and designs for nursing research in his / her own research

has a good command of the research process;

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

is able to assess main ethical questions and issues in research;

is able to write a research proposal and a research report.

**Contents:**

Methodological issues in quantitative and qualitative research, types / designs for nursing research, phases of research process, assessment of reliability and validity, ethical issues. Writing a research proposal and research report.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Lectures and guided exercises 50h, individual and group studying 220h.

**Target group:**

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

**Recommended or required reading:**

Polit DF & Beck CT. 2008. Nursing Research. Generating and assessing evidence for nursing practice. Lippincott Williams & Wilkins, Philadelphia.

Denzin, Norman K. & Lincoln, Yvonna S. (ed.) 2011. The Sage Handbook of Qualitative Research. 4th ed. Thousand Oaks, CA:SAGE. (Certain chapters, e.g. part III (Strategies of Inquiry) and part IV in Methods of Collecting and Analyzing Empirical Materials)

Synthesis Science in Healthcare Evidence-based practice online book series: <http://www.nursingcenter.com/evidencebasedpracticenetwork/Home/JBI@LWW/Online-Books>

Relevant scientific literature.

**Assessment methods and criteria:**

Lectures and active participation in practical training/exercises and group work, written assignment and exam.

**Grading:**

1-5/fail

**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:**

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.

## 352226A: Clinical training, 15 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Practical training

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

15 ECTS credits.

**Language of instruction:**

Finnish

**Timing:**

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

**Learning outcomes:**

Having completed the course, students have acquired research based expertise based on clinical nursing or health promotion and nursing science, emphasizing students' readiness to plan the development of operation of social and health care units and draw conclusions from it. The student is able to work in many kinds of expert groups. The students are able to create a portfolio to recognize and describe their own skills.

**Contents:**

The study unit can be a part of the minor subject in the teacher degree programme in nursing science and health sciences (clinical nursing / health promotion). 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, its implementation and assessment. The instructions and return box are found in their own folders.

Part 2: Doing the training and evaluation. After the training you return a training report in the return folder, which includes: description of how the training was undertaken, evaluation of one's own learning and a brief evaluation of the training by the supervisor.

Part 3: Drawing up an academic portfolio. The instructions for the portfolio can be found from the specific folder. Return to the return box of the portfolio.

Part 4: Participation in discussion: Write two comments or links to materials to the discussion area during your training or after it. In the discussion area you can give good practical hints to others undertaking training, to the supervising teacher or to provide a link to some good source for materials, which you believe to useful for others, too.

**Target group:**

Students of Degree program in nursing science and Teacher training program in health science

**Prerequisites and co-requisites:**

Please see the recommended optional programme components

**Recommended optional programme components:**

A prerequisite for participation is that the student has completed the following studies: Nursing science I and 25 ECTS of studies in Clinical nursing science or Health Promotion

**Recommended or required reading:**

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

**Assessment methods and criteria:**

Accepted net discussion, training plan, training, final report and portfolio. The part of the written assignments and net discussion is 5 ECTS cr (corresponds to 135 hours of independent work and preparing for training) and the training is 10 ECTS cr (corresponds to about 270 hours of working).

**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:**

10 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

autumn-spring term

**Learning outcomes:**

After completion of the study unit 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 recognizes one's own skills in the future role of an expert. The student deepens their expertise in a chosen area of clinical nursing science.

**Contents:**

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

**Mode of delivery:**

Multidimensional teaching including supervised work in Optima, seminars and independent work.

**Learning activities and teaching methods:**

Net-based working 20h, studying given literature 80h and completing net-based exam 4h. Written seminar assignment completed individually or in pairs 100h, updating/looking for literature 30h, studying seminar assignments 4h, preparation for presentation 8h, participation in contact teaching 20h and acting as an opponent for another student 2h.

**Target group:**

Kliinisen hoitotieteen sivuaineopiskelijat

**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 completion and presentation in contact teaching, net-based and group exercises. Read more about evaluation of study units from university webpages.

**Grading:**

Pass / fail

**Person responsible:**

University lecturer and doctoral student

**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 the student is acquainted with international and national health programmes. The student recognizes the specific challenges relating to northern 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. Research relating to health promotion. Effectual methods of health promotion. Evaluating practices of health promotion.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Method of teaching: Net-based teaching. Participation in study units 353006A Health Promotion (7ECTS) and supplementary part (3ECTS).

**Target group:**

Students in the programmes of health sciences and health science teaching

**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 unit-related exercises and a written assignment.

**Grading:**

Pass / fail

**Person responsible:**

Professor of nursing science and university lecturer

**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 health care. The student is able to apply the principles of evidence based practice when solving problems within health care and in one's role as an expert.

**Contents:**

Evidence- based practice and the role of a leader in evidence based practice. Spreading and using evidence based practice. Evaluating evidence based practice.

**Learning activities and teaching methods:**

Studying literature and exam on literature.

**Target group:**

Students studying nursing science as a minor subject.

**Recommended or required reading:**

Holopainen A. ym. 2013. Johda näyttö käyttöön hoitotyössä. Fioca Oy, Bookwell Oy. Current national and international scientific literature.

**Grading:**

Pass / fail

**Person responsible:**

University lecturer and doctoral student

**352262A: Supportive Environments for Health and Wellbeing, 7 op****Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Health Sciences**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

7 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

Every second spring (every second year 353113S together with the study unit The effective patient education in nursing and nursing science)

**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 layers 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:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Contact teaching 16h, small group work 70h, net-based teaching 20h and independent work 80h.

**Target group:**

Students in the programmes of health sciences and health science teaching

**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 evaluation of study units from university webpages.

**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

**Language of instruction:**

Finnish

**Timing:**

Every second year

**Learning outcomes:**

Learning outcomes: A student can discuss the constructions, theories, process, documentation methods, learning and effectiveness in patient education. A student can create solution for problem concerning patient education. A student can assess collaborative learning.

**Contents:**

Constructions, theories, process, documentation, methods. Learning in patient education. Measuring outcomes and effectiveness of patient education.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures 25 hours, web-based and independent studies 191 hours.

**Target group:**

Students in the degree program in nursing science

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

No

**Recommended or required reading:**

Kyngäs H, Kääriäinen M, Poskiparta M, Johansson K, Hivonen E, Renfors T. 2007. Ohjaaminen hoitotyössä. WSOY and Scientifically relevant literature in Finnish and in English.

Suzanne Robertson-Malt, Dagmara Riitano. 2013. Public Engagement in Translating Knowledge to Action. Additional relevant scientific literature.

**Assessment methods and criteria:**

Active participation in lectures and in collaborative online learning. Essays accepted.

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

**Grading:**

pass/ Fail

**Person responsible:**

Professor and senior lecturer in nursing science.

**Working life cooperation:**

No

**Other information:**

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