

# Opasraportti

## LTK - Health Science Teacher (2014 - 2015)

### CURRICULA OF HEALTH SCIENCES (BHSc) 2014-2015

#### (NURSING SCIENCE, HEALTH MANAGEMENT SCIENCE, TEACHER EDUCATION PROGRAMME IN HEALTH SCIENCES)

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 programmes in Nursing Science, in Health Management Science, and Teacher Education Programme in Health Sciences lead first to the degree of Bachelor of Health Sciences (BHSc), comprising 180 ECTS Credits, and further to the degree of Master of Health Sciences (MHSc), comprising 120 ECTS Credits. The studies are multidisciplinary in the degree programme of Bachelor of Health Sciences, so that the curricula 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. The postgraduate studies for the degree of Master of Health Sciences (MHSc) are 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, in Health Management Science, and Teacher Education in Health Sciences, qualify for various positions in social welfare and public health care. These provide the qualifications for clinical nursing, and for working as an expert in research, development, teaching and leadership in social and health care on a national and international level.

#### Academic Clearance

Studies in the multidisciplinary degree programme in health sciences are applicable only to students admitted to the programme through the entrance examination. Subject studies or minor studies of the multidisciplinary degree programme are not available as minor studies for students coming from other degree programmes in 2014–2015.

#### UNDERGRADUATE MULTIDISCIPLINARY DEGREE PROGRAMME 180 ECTS credits

The undergraduate education 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 and multicultural 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 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 Undergraduate Multidisciplinary Degree Programme, 180 ECTS Credits**

### [Course Structure Diagram 2014-2015](#)

In University of Oulu Undergraduate Multidisciplinary Degree Programme of Bachelor of Sciences consists of following areas of competencies: Development in Expertise, Scientific 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.

#### ***Development in Expertise 8 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:**

350001Y Guidance for Study and Working Experience, Study Tutorials, Part I-III 3 ECTS cr

350041Y Expertise in Health Sciences and Professional Connections, Part I-II

350041Y-01 Part I Development in Expertise in Health Sciences 1,5 ECTS cr

350041Y-02 Part II Professional Cooperation and Innovation 3, 5 ECTS cr

#### ***Scientific 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:**

901007Y Second Official Language, Swedish 3ECTS cr

902008Y Foreign Language, English 3 ECTS cr

900008Y Oral Communication 3 ECTS cr

040012Y Knowledge Management and Research, Part I-III 10 ECTS cr

040012-01/ 040012-02 Part I Information and Communication Technology 2 ECTS cr

040012-03 / 040012-04 Part II Information Skills 4,5 ECTS 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.

**Studies Included in the Area of Competence:**

351201P Preliminary Studies of Health Sciences I: Foundations of Health Sciences 15 ECTS cr

351202P Preliminary Studies of Health Sciences II: Foundations of Social and Health Care 10 ECTS cr

351138A Legal Aspects of Health Care 3 ECTS cr

352231A Philosophical Foundations of Health Sciences 4 ECTS cr

352232A Health Administration Science 9 ECTS cr

352233A Nursing Science 9 ECTS cr

352114A Bachelor Thesis and Written Maturity Test 10 ECTS cr

***Scientific Practices and Research Skills 11 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 4 ECTS cr

352252A Methods of Statistical Analysis in Health Sciences, Part I-II 7 ECTS cr

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

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

***Minor Subject and Optional Studies 82 ECTS cr***

Minor subject and optional studies are preliminary studies, subject studies or specialized studies completed at the Institute of Health Sciences, at the University of Oulu and at other national/international institutions or universities. 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 (PSP) of each student.

***Minor Subject 25 ECTS cr***

The minor subject studies for the undergraduate degree in Bachelor of Health Sciences need to include a study unit of at least 25 ECTS cr (Basic Studies in Education 25 ECTS cr are compulsory for those in the Teacher Education Programme in Health Sciences). Studies completed at other universities (preliminary or subject studies) may be credited for the study unit at least 25 ECTS cr in the minor subject.

***Optional Studies 57 ECTS cr:***

Optional studies are preliminary studies, subject studies or specialized studies completed at the Institute of Health Sciences, at the University of Oulu and at other national/international institutions or universities. 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 (PSP).

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

#### ***Studies on Specialization in Clinical Nursing Science 35 ECTS cr***

Studies in the Bachelor's Degree 25 ECTS cr and in the Master's Degree 15 ECTS cr

#### **Studies in the Bachelor's Degree include 25 ECTS cr**

351180P Foundations of Clinical Nurse Specialist 7 ECTS cr

352225A-01 Becoming a Clinical Nurse Specialist 2 ECTS cr

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

352225A-02 Becoming a Clinical Nurse Specialist 3 ECTS cr

352208A Introduction to Didactics in Nursing Science 5 ECTS cr

#### **Studies in the Master's Degree include 15 ECTS cr**

352226A Practical Training in Clinical Nursing 15 ECTS cr

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

354202A Research Ethics in Health Sciences 5 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 curricula 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.

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

Studies to be credited from an Institute of Nursing, University of Applied Science or Master's degree in health care from a University of Applied Sciences, other universities, including Open University studies arranged with 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 Language Centre.

#### **Studies to be credited:**

Studies to be credited and the principles of crediting in the degree programme Bachelor of Health Sciences (Nursing Science, Health Management Science, Teacher Education Programme in Health Sciences)

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

The course 350041Y-02 Professional Cooperation and Innovation 3,5ECTS cr may be replaced by working experience in a scientific project. The students have to present a written report of the project they have participated in.

### ***Scientific Communication Skills***

902008Y Foreign Language, English 3 ECTS cr

901007Y Second Official Language, Swedish 3 ECTS cr

Language and Communication study units may be accepted on the basis of upper secondary education taught in English/Swedish, or Bachelor's or Master's degree taught in English/Swedish, or English/Swedish language test by the University of Oulu.

### ***Health Sciences***

The Preliminary Studies, the courses in 351201P/ 351202P Foundations of Health Sciences 25 ECTS cr are accepted based on prior applicable qualification in health care from a University of Applied Sciences, other universities or Open University.

The Preliminary Studies in Foundations of Health Sciences 23 ECTS cr accepted based on prior qualification in health care from vocational upper secondary qualification and in health care from vocational college diploma.

### ***Methodological Studies***

Credits may be applied for previous university studies.

### ***Optional Studies***

The optional studies for the degree Bachelor of Health Sciences 57 ECTS cr are accepted based on prior qualification in health care from a University of Applied Sciences, and 32 ECTS cr are accepted based on prior qualification from vocational upper secondary qualification and from health care vocational college diploma.

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

### **For students with prior qualification in health care from a University of Applied Sciences**

Year/ Term	Studies/ECTS cr					Total ECTS cr
	<b>Development in Expertise and Scientific Communication Skills</b>	<b>Health Sciences</b>	<b>Scientific Practice and Research Skills</b>	<b>Minor Subject Studies</b>	<b>Optional Studies</b>	
1st year/ autumn term	4 ECTS cr	7 ECTS cr	4 ECTS cr	17 ECTS cr	-	32 ECTS cr

1st year/ spring term	14,5 ECTS cr	9 ECTS cr	3,5 ECTS cr	6 ECTS cr	-	33 ECTS cr
2nd year/ autumn term	8,5 ECTS cr	19 ECTS cr	3,5 ECTS cr	2 ECTS cr	-	33 ECTS cr
<b>Total ECTS cr</b>	<b>27 ECTS cr</b>	<b>35 ECTS cr</b>	<b>11 ECTS cr</b>	<b>25 ECTS cr</b>	-	<b>98 ECTS cr</b>
Bachelor Degree total 98 ECTS Credits						

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

Year/ Term	Studies/ECTS cr					Total ECTS cr
	<b>Development in Expertise and Scientific Communication Skills</b>	<b>Health Sciences</b>	<b>Scientific Practice and Research Skills</b>	<b>Minor Subject Studies</b>	<b>Optional Studies</b>	
1st year/ autumn term	4 ECTS cr	15 ECTS cr	-	5 ECTS cr	5 ECTS cr	29 ECTS cr
1st year/ spring term	8 ECTS cr	10 ECTS cr	-	-	14 ECTS cr	32 ECTS cr
2nd year/ autumn term	7 ECTS cr	7 ECTS cr	4 ECTS cr	5 ECTS cr	8 ECTS cr	31 ECTS cr

2nd year/ spring term	6,5 ECTS cr	9 ECTS cr	3,5 ECTS cr	10 ECTS cr	-	29 ECTS cr
3rd year / autumn term	1,5 ECTS cr	19 ECTS cr	3,5 ECTS cr	5 ECTS cr	-	29 ECTS cr
3rd year/ spring term	-	-	-	5 ECTS cr (Teacher Education Progr)	30 ECTS cr	30 ECTS cr (35 ECTS cr)
<b>Total ECTS cr</b>	<b>27 ECTS cr</b>	<b>60 ECTS cr</b>	<b>11 ECTS cr</b>	<b>25 ECTS cr</b> (30 ECTS cr)	<b>57 ECTS cr</b>	<b>180 ECTS cr</b>
Bachelor Degree total 180 ECTS Credits						

Year/ Term	Studies of BSc Degree per Semester- for students with prior qualification in health care from a University of Applied Sciences 98 ECTS cr	Studies of BSc Degree per Semester 180 ECTS cr
1 <sup>st</sup> year / autumn term	<p><b><i>Development in Expertise:</i></b></p> <p>350001Y Guidance for Study and Working Experience, Study Tutorials, Part I: Guidance for Study and Study Tutorials 1 ECTS cr</p> <p>350041Y-01 Expertise in Health Sciences and Professional Connections I: Development in Expertise in Health Sciences 1 ECTS cr</p> <p><b><i>Scientific Communication Skills :</i></b></p> <p>040012Y Knowledge Management and Skills, Part I: Information and Communication Technology 2 ECTS cr: 040012-01 Lectures and group exercises 0, 5 ECTS cr</p>	<p><b><i>Development in Expertise:</i></b></p> <p>350001Y Guidance for Study and Working Experience, Study Tutorials, Part I: Guidance for Study and Study Tutorials 1 ECTS cr</p> <p>350041Y-01 Expertise in Health Sciences and Professional Connections I: Development in Expertise in Health Sciences 1 ECTS cr</p> <p><b><i>Scientific Communication Skills :</i></b></p> <p>040012Y Knowledge Management and Skills, Part I: Information and Communication Technology 2 ECTS cr: 040012-01 Lectures and group exercises 0, 5 ECTS cr</p>

	<p>040012-02 Written assignment 1, 5 ECTS cr</p> <p><b>Health Sciences:</b></p> <p>351138A Legal Aspects of Health Care 3 ECTS cr</p> <p>352231A Philosophy Foundations of Health Sciences 4 ECTS cr</p> <p><b>Scientific Practice and Research Skills:</b></p> <p>352251 Qualitative Research Methods in Health Sciences 4 ECTS cr</p> <p><b>Minor Subject 17 ECTS cr</b></p>	<p>040012-02 Written assignment 1, 5 ECTS cr</p> <p><b>Health Sciences:</b></p> <p>351201P Foundations of Health Sciences 15 ECTS cr</p> <p><b>Minor Subject 5 ECTS cr</b></p> <p><b>Optional Studies 5 ECTS cr</b></p>
<p>1<sup>st</sup> year / spring term</p>	<p><b>Development in Expertise:</b></p> <p>350041Y-01 Expertise in Health Sciences and Professional Connections I: Development in Expertise in Health Sciences 0, 5 ECTS cr</p> <p><b>Scientific Communication Skills:</b></p> <p>902008Y Foreign Language, English 3 ECTS cr</p> <p>900008Y Oral Communication 3 ECTS cr</p> <p>040012Y Knowledge Management and Research, Part II: Information Skills 4, 5 ECTS cr:</p> <p>040012-03 Lectures and theme day 0, 5 ECTS cr</p> <p>040012-04 Group exercises and learning assignment 4 ECTS cr</p> <p>040012Y Knowledge Management and Research, Part III: Statistical Methods 3, 5 ECTS cr:</p> <p>040012Y-05 Lectures and exam 1, 5 ECTS cr</p> <p>040012Y-06 Group exercises 1 ECTS cr</p> <p>040012Y-07 Learning assignment 1 ECTS cr</p> <p><b>Health Sciences:</b></p> <p>352232A Health Administration Science 9 ECTS cr</p> <p><b>Scientific practice and Research Skills:</b></p> <p>352252A-01 Methods of Statistical Analysis in Health Sciences, Part I 3, 5 ECTS cr</p> <p><b>Minor Subject 6 ECTS cr</b></p>	<p><b>Development in Expertise:</b></p> <p>350041Y-01 Expertise in Health Sciences and Professional Connections I: Development in Expertise in Health Sciences 0, 5 ECTS cr</p> <p><b>Scientific Communication Skills:</b></p> <p>902008Y Foreign Language, English 3 ECTS cr</p> <p>040012Y Knowledge Management and Research, Part II: Information Skills 4, 5 ECTS cr:</p> <p>040012-03 Lectures and theme day 0, 5 ECTS cr</p> <p>040012-04 Group exercises and learning assignment 4 ECTS cr</p> <p><b>Health Sciences:</b></p> <p>351202P Foundations of Social and Health Care 10 ECTS cr</p> <p><b>Optional Studies 14 ECTS cr</b></p>



<p>2<sup>nd</sup> year / autumn term</p>	<p><b><i>Development in Expertise:</i></b></p> <p>350001Y Guidance for Study and Working Experience, Study Tutorials, Part II and III: Guidance for Study and Working Experience 2 ECTS cr</p> <p>350041Y-02 Expertise in Health Sciences and Professional Connections II: Professional Cooperation and Innovation 3, 5 ECTS cr</p> <p><b><i>Scientific Communication Skills:</i></b></p> <p>901007Y Second Official Language, Swedish 3 ECTS cr</p> <p><b><i>Health Sciences</i></b></p> <p>352233A Nursing Science 9 ECTS cr</p> <p>352114A Bachelor Thesis and Written Maturity Test 10 ECTS cr</p> <p><b><i>Scientific Practice and Research Skills:</i></b></p> <p>352252A-02 Methods of Statistical Analysis in Health Sciences, Part II 3, 5 ECTS cr</p> <p><b>Minor Subject 2 ECTS cr</b></p>	<p><b><i>Development in Expertise:</i></b></p> <p>350001Y Guidance for Study and Working Experience, Study Tutorials, Part II: Guidance for Study 1 ECTS cr</p> <p>350041Y-02 Expertise in Health Sciences and Professional Connections II: Professional Cooperation and Innovation 3, 5 ECTS cr</p> <p><b><i>Scientific Communication Skills:</i></b></p> <p>901007Y Second Official Language, Swedish 3 ECTS cr</p> <p><b><i>Health Sciences</i></b></p> <p>351138A Legal Aspects of Health Care 3 ECTS cr</p> <p>352231A Philosophy Foundations of Health Sciences 4 ECTS cr</p> <p><b><i>Scientific Practice and Research Skills:</i></b></p> <p>352251 Qualitative Research Methods in Health Sciences 4 ECTS cr</p> <p><b>Minor Subject 5 ECTS cr</b></p> <p><b>Optional Studies 8 ECTS cr</b></p>
<p>2<sup>nd</sup> year / spring term</p>		<p><b><i>Scientific Communication Skills:</i></b></p> <p>900008Y Oral Communication 3 ECTS cr</p> <p>040012Y Knowledge Management and Research, Part III: Statistical Methods 3, 5 ECTS cr:</p> <p>040012Y-05 Lectures and exam 1, 5 ECTS cr</p> <p>040012Y-06 Group exercises 1 ECTS cr</p> <p>040012Y-07 Learning assignment 1 ECTS cr</p> <p><b><i>Health Sciences:</i></b></p> <p>352232A Health Administration Science 9 ECTS cr</p> <p><b><i>Scientific practice and Research Skills:</i></b></p>

		352252A-01 Methods of Statistical Analysis in Health Sciences, Part I 3, 5 ECTS cr <b>Minor Subject 10 ECTS cr</b>
3 <sup>rd</sup> year / autumn term		<b><i>Development in Expertise:</i></b> 350001Y Guidance for Study and Working Experience, Study Tutorials, Part III: Guidance for Study and Working Experience 1, 5 ECTS cr <b><i>Health Sciences:</i></b> 352233A Nursing Science 9 ECTS cr 352114A Bachelor Thesis and Written Maturity Test 10 ECTS cr <b><i>Scientific Practice and Research Skills:</i></b> 352252A-02 Methods of Statistical Analysis in Health Sciences, Part II 3, 5 ECTS cr <b>Minor Subject 5 ECTS cr</b>
3 <sup>rd</sup> year / spring term		<b>Optional Studies 30 ECTS cr</b>

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

### Teacher Education Programme in Health Sciences

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

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

to apply a comprehensive account of the fundamentals of nursing science, and of the key concepts, theories and methods of nursing science in own work;

to assess critically the research field in nursing science and its relationship to other disciplines;

to solve complex problems in education, research, development and innovation within the field of social and health care;

to work independently and communally as a teacher in complex tasks requiring expertise in social and health care;

to communicate orally and in writing to audiences consisting of colleagues and the general public in their mother tongue, in the second national spoken in Finland, and in at least one foreign language;

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

## **Structure of the Degree Programme Master of Health Sciences (MHSc) in Teacher Education Programme, 120 ECTS Credits**

### [Course Structure Diagram 2014- 2015](#)

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

#### **Area of Competence:**

##### ***Health Sciences 50 ECTS cr***

353101S Nursing Science II 5 ECTS cr

353101S Nursing Science III 7 ECTS cr

353224S Research Seminars 8 ECTS cr

353206S Master thesis 30 ECTS cr

353205S Written Maturity test

#### **Area of Competence:**

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

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

#### **Minor Studies 35 ECTS cr**

The Degree in the Teacher Education Programme includes obligatory studies in didactics 35 ECTS, which are completed as minor studies during the studies for a Master's degree.

Further, the students may adjust their additional minor studies according to their personal objectives by their choice. These include national or international studies in varies fields of science according to the Personal Study Plan (PSP) of each student. Student may start minor subject studies for their later degree in Master of Health Sciences during their undergraduate studies according to their personal study plan.

#### **Area of Competence:**

##### ***Teachers' Professional Development 35 ECTS cr***

352208A Introduction to Didactics of the Nursing Science 5 ECTS cr

352122A Educational Administration 3 ECTS cr

352119A Planning the Content and Methods of Instruction 5 ECTS cr

352121A Course in Evaluation 3 ECTS cr

352124A Practical Teacher Training, PartI-III 16 ECTS cr

352207A Evaluation in Healthcare Education 3 ECTS cr

### **Optional Studies 25 ECTS cr**

Optional studies are preliminary studies, subject studies or specialized studies completed at the Institute of Health Sciences, at the University of Oulu and at other national/international institutions or universities. Optional studies towards the Degree of Master of Health Sciences must include at least one study module comprising 25 ECTS.

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

#### ***Studies on Specialization in Clinical Nursing Science 35 ECTS cr***

Studies in the Bachelor's Degree 25 ECTS cr and in the Master's Degree 15 ECTS cr

#### **Studies in the Bachelor's Degree include 25 ECTS cr**

351180P Foundations of Clinical Nurse Specialist 7 ECTS cr

352225A-01 Becoming a Clinical Nurse Specialist 2 ECTS cr

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

352225A-02 Becoming a Clinical Nurse Specialist 3 ECTS cr

352208A Introduction to Didactics in Nursing Science 5 ECTS cr

#### **Studies in the Master's Degree include 15 ECTS cr**

352226A Practical Training in Clinical Nursing 15 ECTS cr

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

354202A Research Ethics in Health Sciences 5 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.

Studies to be credited from an Institute of Nursing, University of Applied Science or Master's degree in health care from a University of Applied Sciences, other universities, including Open University studies arranged with 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 Language Centre.

### **Studies to be credited:**

25 ECTS is given in credit towards Master's degree studies in optional studies for an applicable higher academic degree.

**Studies per Semester:**

Advanced studies in nursing science and in the minor subject in the teacher education programme are compulsory for students in the Teacher Education Programme in Health Sciences. Additionally, the students may adjust their studies according to their personal objectives by the choice of minor subjects and optional studies.

Year/ Term	Studies/ ECTS cr			Total ECTS cr
	Advanced Studies	Minor Studies	Optional Studies	
1st year / autumn term	-	14,5 ECTS cr	15 ECTS cr	29,5 ECTS cr
1st year / spring term	15 ECTS cr	9,5 ECTS cr	5 ECTS cr	29,5 ECTS cr
2nd year / autumn term	21 ECTS cr	6 ECTS cr	-	27 ECTS cr
2nd year / spring term	24 ECTS cr	-	5 ECTS cr	29 ECTS cr
Total ECTS cr	60 ECTS cr	30 ECTS cr (+5 ECTS cr in BHSc)	25 ECTS cr	120 ECTS cr
Master Degree total 120 ECTS cr				

The course Introduction to Didactics of the Nursing Science 5 ECTS cr is to be completed in the spring term of the third year of Bachelor Degree studies.

1<sup>st</sup> year / autumn term***Teachers' Professional Development:***

352122A Educational Administration 3 ECTS cr

352119A Planning the Content and Methods of Instruction 5 ECTS cr

352121A Course in Evaluation, Part I 1.5 ECTS cr#

352124A-01 Practical Teacher Training, Part I 5 ECTS cr

***Optional Studies 15 ECTS cr***1<sup>st</sup> year /spring term***Health Sciences:***

353101S Nursing Science II 5 ECTS cr

***Scientific Practices and Research Skills:***

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

***Teachers' Professional Development:***

352121A Course in Evaluation, Part II 1.5 ECTS cr#

352124A-02 Practical Teacher Training, Part II 8 ECTS cr

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

***Health Sciences:***

353101S Nursing Science III 7 ECTS cr

353224S Research Seminars, Part I 4 ECTS cr#

353206S Master Thesis:

353206S-01 Research Plan 10 ECTS cr#

***Teachers' Professional Development:***

352207A Evaluation in Healthcare Education 3 ECTS cr

352124A-03 Practical Teacher Training, Part III 3 ECTS cr

***Optional Studies 5 ECTS cr***

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

***Health Sciences:***

353224S Research Seminars, Part II 4 ECTS cr#

353206S / 353206S -02 Master Thesis 20 ECTS cr#

353205S Written maturity test

(applicable to students who did not pass Bachelor thesis maturity test)

***Optional Studies 5 ECTS cr***

#studies are completed during several years of study

## Tutkintorakenteet

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

Tutkintorakenteen tila: archived

Lukuvuosi: 2014-15

Lukuvuoden alkamispäivämäärä: 01.08.2014

#### General Studies (8 op)

## Development in Expertise

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

### *Compulsory*

350041Y-02: Professional Cooperation and Innovation, 3,5 op

350041Y-01: Development in Expertise in Health Sciences, 1,5 op

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

## Language and Information Management Studies (19 op)

### Scientific Communication Skills

900008Y: Basics of Oral Communication, 3 op

902008Y: English, 3 op

040012Y: Knowledge and Research, 3,5 - 10 op

### *compuls8*

040012Y-01: Information and Communication Technology, small group lessons, 0,5 op

040012Y-02: Information and Communication Technology, written assignment, 1,5 op

040012Y-03: Scientific Communication, theme day, 0,5 op

040012Y-04: Scientific Communication, assignments, 4 op

040012Y-05: Statistical Methods, written examination, 1,5 op

040012Y-06: Statistical Methods, small group lessons, 1 op

040012Y-07: Statistical Methods, assignments, 1 op

901007Y: Second Official Language (Swedish), 3 op

## Health Sciences Preliminary Studies (25 op)

### Health Sciences

351201P: Preliminary Studies of Health Sciences II: Foundations of Health Sciences, 15 op

### *Compulsory*

351201P-01: Introduction to Health Sciences, 5 op

351201P-04: Foundations of Social and Health Care Education, 5 op

351201P-03: Fundamentals of Research Methods in Health Sciences, 2 op

351201P-02: Professional Philosophy and Ethics in Social and Health Care, 3 op

351202P: Preliminary Studies of Health Sciences: Foundations of Social and Health Care, 10 op

### *Compulsory*

351202P-02: Foundations of Health Care Legislation, 5 op

351202P-01: Social and Health Care Systems in Finland and Inter-professional Networking, 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

352233A: Nursing Science, 10 op

352231A: Philosophical Foundations of Health Sciences, 4 op

## Studies in Methodology (11 op)

### Scientific Practices and Research Skills

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

### *Compulsory*

352252A-02: Methods of Statistical Analysis in Health Sciences II, 3,5 op

352252A-01: Methods of Statistical Analysis in Health Sciences I, 3,5 op  
 352251A: Research Methods in Health Science, 5 op

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

The minor subject studies for the undergraduate degree in Bachelor of Health Sciences need to include a study unit of at least 25 ECTS cr (Basic Studies in Education 25 ECTS cr are compulsory for those in the Teacher Education Programme in Health Sciences). Studies completed at other universities (preliminary or subject studies) may be credited for the study unit at least 25 ECTS cr in the minor subject.

### **Optional Studies (vähintään 57 op)**

Optional studies are preliminary studies, subject studies or specialized studies completed at the Institute of Health Sciences, at the University of Oulu and at other national/international institutions or universities.

## **Teacher Education Degree Programme in Health Sciences, MHS**

Tutkintorakenteen tila: archived

Lukuvuosi: 2014-15

Lukuvuoden alkamispäivämäärä: 01.08.2014

### **Health Sciences Main Subject Studies (vähintään 50 op)**

Health Sciences

353206S: Master Thesis, 30 op

*Compulsory*

353206S-01: Research Plan for Master Thesis, 10 op

353206S-02: Master Thesis, 30 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

353224S: Research Seminars, 10 op

353205S: Written maturity test, 0 op

### **Studies in Methodology (vähintään 10 op)**

Scientific Practices and Research Skills

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

### **Didactics in Nursing Science (35 op)**

Teachers' Professional Development

352121A: Course in Evaluation, 5 op

352122A: Educational Administration and Practical Teacher Training part I, 5 op

352207A: Evaluation in Healthcare Education, 3 op

352208A: Introduction to Didactics of Nursing Science, 5 op

352119A: Planning the Content and Methods of Instruction, 5 op

352124A: Practical Teacher Training, 16 op

*Compulsory*

352124A-01: Practical Teacher Training: Part I, 5 op

352124A-03: Practical Teacher Training: Part III, 3 op



- 352124A-02: Practical Teacher Training: Part II, 8 op  
 352124A-01: Practical Teacher Training: Part I, 5 op  
 352124A-02: Practical Teacher Training: Part II, 8 op  
 352124A-03: Practical Teacher Training: Part III, 3 op

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

The Degree in the Teacher Education Programme includes obligatory studies in didactics 35 ECTS, which are completed as minor studies during the studies for a Master's degree. Further, the students may adjust their additional minor studies according to their personal objectives by their choice. These include national or international studies in various fields of science according to the Personal Study Plan (PSP) of each student. Student may start minor subject studies for their later degree in Master of Health Sciences during their undergraduate studies according to their personal study plan.

### **Optional Studies (vähintään 35 op)**

According to the rules of University of Oulu and other universities, studies are completed according to the Personal Study Plan. E.g. Clinical Nurse Specialist Studies, and/or Research Studies.

25 ECTS cr\*\*\* is given in credit towards Master's degree studies in optional studies for an applicable higher academic degree.

## **Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot**

- 352122A-01: Administration of health education organisations, 3 op  
 354203A: Advanced methodological studies, 8 op  
 900007Y: Basics of Written Communication, 2 op  
 352208A-01: Basics of didactics, 3 op  
 350030Y: Basics of social and health care practice, 40 op  
 352225A: Becoming a clinical nurse specialist, 2 op  
 354200A: Becoming a researcher, 2 op  
 352122A-02: Educational administration, 2 op  
 352228A: Elective special research course, 3 - 10 op  
 351145P: Evaluation and development of the health care work unit, 6 op  
 350006Y: Informatics of health sciences, 4 op  
 350006Y-01: Informatics of health sciences part 1, 2,5 op  
 350006Y-02: Informatics of health sciences part 2, 1,5 op  
 352208A-02: Introduction of nursing science, 3 op  
 351138P: Legal aspects of health care, 4 op  
 353207S-02: Master's thesis, 30 op  
 351101P: Nursing science I, 5 op  
 350003Y: Philosophical foundations for scientific research, 5 op  
 352226A: Practical training in clinical nursing science, 15 op  
 354202A: Research ethics in health sciences, 5 op  
 351008P: Research methods (basic), 2 op  
 352107A: Research methods I, 6 op  
 353207S-01: Research seminars, 8 op  
 353207S: Research seminars and Master's thesis, 38 op  
 354204A: Research training, 15 op  
 901007Y-02: Second Official Language (Swedish), Oral Skills, 2 op  
 901007Y-01: Second Official Language (Swedish), Written Skills, 1 op  
 350007Y: Statistical computing, 5 op  
 350005Y: Statistics, 6 op  
 353113S: The effective patient education in nursing and nursing science, 8 op

354201A: Theoretical and methodological basis for research area, 5 op

350031P: Theoretical basis of social and health care, 23 op

352221A: Theory development and evaluation, 3 - 5 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

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

**Opintokohteen kielet:** Finnish

**Timing:**

**Part I Development in Expertise in Health Sciences 1,5 ECTS cr (350041Y-01)**

**Timing :** autumn and spring term

**Part II Professional Cooperation and Social Innovation 3,5ECTS cr (350041Y-02)**

**Timing:** autumn term

*Compulsory*

#### 350041Y-02: Professional Cooperation and Innovation, 3,5 op

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3,5 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

The student is able to identify the concepts of a social network and innovation. The student is able to present subjects of research to different organisations in the field of health sciences and to discuss on professional cooperation. The student is able to plan practical training, recruitment and the obtaining of employment.

**Contents:**

Professional networks and social innovations, development plan.

**Mode of delivery:**

Contact teaching.

**Learning activities and teaching methods:**

Problem-Based Learning 18h, independent studying 63h, which includes examining literature, study visits and a written assignment. Active participation is required in the study unit of Problem-Based-Learning (80%).

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Relevant scientific literature and research.

**Assessment methods and criteria:**

Assessment of the written assignment includes self-assessment, peer-assessment and teacher's assessment.

**Grading:**

Pass/fail

**Person responsible:**

University teacher/ university lecturer

**350041Y-01: Development in Expertise in Health Sciences, 1,5 op**

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

1,5 ECTS cr

**Timing:**

autumn and spring term

**Learning outcomes:**

The student identifies aspects of expertise and understands foundations for professional learning. The student can explain the relation between education and professional situations in the development of their expertise.

**Contents:**

Research in health care expertise, building of one's own professional profile in health science expertise.

**Mode of delivery:**

Contact teaching.

**Learning activities and teaching methods:**

Contact teaching 4h, independent studying 10h, of which working on a portfolio on expertise and written assignment 26h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Relevant scientific literature and research.

**Assessment methods and criteria:**

Active participation is required in contact teaching (80%). Also, students are required to work on their expert profile during their undergraduate studies (in the beginning and at the end).

**Grading:**

Pass/fail

**Person responsible:**

University teacher/ university lecturer

**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

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS

**Language of instruction:**

Finnish

**Timing:**

Autumn term

Day for development in learning (9.10.2014 at 12 - 4.00pm).

Timetable available in Finnish version of the course description.

**Learning outcomes:**

The student learns to plan and evaluate themselves and their actions as learners. The student will be able to operate in the community of the university and in professional networks.

**Contents:**

The study module includes planning and assessment of one's own personal study plan, tutorials with one's teacher and participation in the events arranged at the institution. Day for development in learning (9.10.2014 at 12 - 4.00pm).

**Mode of delivery:**

Multidimensional teaching methods

**Learning activities and teaching methods:**

Contact teaching 23h, tutorials 3h, independent studying 39h and participation in events of health science institution 16h.

**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, planning of the Personal Study Plan (PSP).

**Grading:**

Pass / fail

**Person responsible:**

University teacher/ doctoral candidate

**Working life cooperation:**

No

## **900008Y: Basics of Oral Communication, 3 op**

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**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:**

-

**902008Y: English, 3 op****Voimassaolo:** 01.08.1995 -**Opiskelumuoto:** Language and Communication Studies**Laji:** Course**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** English**Leikkaavuudet:**

ay902008Y Academic English (OPEN UNI) 3.0 op

**ECTS Credits:**

3 ECTS credits

**Language of instruction:**

English

**Assessment methods and criteria:**Read more about [assessment criteria](#) at the University of Oulu webpage.**Person responsible:**

Eva Braidwood

**Other information:**See course descriptions of part 1 ( [902008Y-01](#) ) and part 2 ( [902008Y-02](#) ).**040012Y: Knowledge and Research, 3,5 - 10 op****Voimassaolo:** 01.08.2013 -**Opiskelumuoto:** General Studies**Laji:** Course**Vastuuyksikkö:** Medicine**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Pentti Nieminen**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay040012Y Knowledge and Research (OPEN UNI) 3.5 op

**Voidaan suorittaa useasti:** Kyllä**ECTS Credits:**

10 ECTS

**Timing:**

1 st and 2 nd year

**Learning outcomes:**

Upon the completion of the studies the student is able to use the available resources of information technology at the University of Oulu, knows how to use the workstations and data communication available in the Medical Faculty independently, is able to utilize the library services and the most commonly used software in their study, and knows the fundamentals of scientific writing.

The student is familiar with the research process and with the characteristics of scientific information including an ability to obtain and process scientific 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.

Upon the completion of the module the student is able to recognize different study designs and discipline specific research questions. The student knows basic principles in research ethics and good scientific practice.

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

**Contents:**

Information and communication technology:

Workstations, information security and confidentiality, networks, and the software needed in the study.

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, study planning and study designs, ethics in research, research methods in the main disciplines (clinical medicine, epidemiology, biomedicine and health sciences).

Scientific communication:

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

Literature retrieval:

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

Scientific communication, study planning, study designs, analyzing research data and reporting.

Special issues in medical research:

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

Statistical methods:

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

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:****1.Ikv (6,5 ECTS):**

040012-01 (0,5 ECTS) Information and Communication Technology, lessons and small group lessons

040012-02 (1,5 ECTS) Information and Communication Technology, written assignment

040012-03 (0,5 ECTS) Scientific Communication, lessons and theme day

040012-04 (4,0 ECTS) Scientific Communication, small group lessons and assignments

**2.Ikv (3,5 ECTS):**

040012-05 (1,5 ECTS) Statistical Methods, lessons and written examination

040012-06 (1,0 ECTS) Statistical Methods, small group lessons

040012-07 (1,0 ECTS) Statistical Methods, practical project

**Target group:**

Medical, dental and medical wellness technology students

**Prerequisites and co-requisites:**

None

**Recommended or required reading:**

Material in lessons small group lessons.

Uhari M ja Nieminen P: Epidemiologia ja biostatistiikka. Second Edition. Duodecim, 2012.

**Assessment methods and criteria:**

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

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

**Grading:**

Pass/fail

**Person responsible:**

Senior lecturer Pentti Nieminen

**Working life cooperation:**

No

*compuls8*

**040012Y-01: Information and Communication Technology, small group lessons, 0,5 op**

**Voimassaolo:** 01.08.2013 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Medicine

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

**040012Y-02: Information and Communication Technology, written assignment, 1,5 op**

**Voimassaolo:** 01.08.2013 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Medicine

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

**040012Y-03: Scientific Communication, theme day, 0,5 op**

**Voimassaolo:** 01.08.2013 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Medicine

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

**040012Y-04: Scientific Communication, assignments, 4 op**

**Voimassaolo:** 01.08.2013 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Medicine

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

**040012Y-05: Statistical Methods, written examination, 1,5 op**

**Voimassaolo:** 01.08.2013 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Medicine

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay040012Y-05 Statistical Methods, written examination (OPEN UNI) 1.5 op

Ei opintojaksokuvauksia.

**040012Y-06: Statistical Methods, small group lessons, 1 op**

**Voimassaolo:** 01.08.2013 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Medicine

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay040012Y-06 Statistical Methods, small group lessons (OPEN UNI) 1.0 op

Ei opintojaksokuvauksia.

**040012Y-07: Statistical Methods, assignments, 1 op**

**Voimassaolo:** 01.08.2013 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Medicine

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay040012Y-07 Statistical Methods, assignments (OPEN UNI) 1.0 op

Ei opintojaksokuvauksia.

**901007Y: Second Official Language (Swedish), 3 op**

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Opintokohteen kielet:** Swedish

**Leikkaavuudet:**

ay901007Y Second Official Language (Swedish) (OPEN UNI) 3.0 op



**Proficiency level:**

B1/B2 (CEFR scale)

**Status:**

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

**Required proficiency level:**

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

**ECTS Credits:**

3 ECTS credits (80 h)

**Language of instruction:**

Swedish

**Timing:**

2nd year autumn term

**Learning outcomes:**

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

**Contents:**

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

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

There is one (1) common teaching group for the students in all degree programmes. Active participation is required. The course includes 45 hours of contact teaching (1 x 180 min./week) and related exercises and self-directed study. The course unit's total workload is 80 hours.

**Target group:**

Students of Nursing Science and Health Administration Science.

**Prerequisites and co-requisites:**

See Required Proficiency Level

**Recommended optional programme components:**

-

**Recommended or required reading:**

Material will be distributed in class.

**Assessment methods and criteria:**

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

- Compensatory exam: a two-part compensatory exam is held at the beginning of the autumn semester. The exam is voluntary and consists of a written section and an oral section. The compensatory exam is only recommended for students who are already proficient in written and spoken Swedish as well as the Swedish of their own special field. If a student proves that he/she is proficient enough and passes both sections of the exam, he/she does not have to take part in the course unit. Students sign up for the written part of the exam by the end of May preceding the exam via email [hanna-leena.ainonen@oulu.fi](mailto:hanna-leena.ainonen@oulu.fi). The oral part of the exam is held for students who pass the written part at a date and time agreed upon separately. - Separate grades are given for the written and oral parts of the exam.

Grading scale: fail / satisfactory skills / good skills. The grades are based on continuous assessment and testing.

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

**Grading:**

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

**Person responsible:**

Hanna-Leena Aiononen

**Working life cooperation:**

-

**Other information:**

## 351201P: Preliminary Studies of Health Sciences II: Foundations of Health Sciences, 15 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351201P Preliminary Studies of Health Sciences II: Foundations of Health Sciences (OPEN UNI) 15.0 op

*Compulsory*

### 351201P-01: Introduction to Health Sciences, 5 op

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351201P-01 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 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/or on an international level, 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 and exam 23h.

**Target group:**

Health science students.

**Recommended or required reading:**

E-learning environment provides materials for reading, relevant 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.

**Grading:**

Pass/fail

**Person responsible:**

Doctoral candidate

**351201P-04: Foundations of Social and Health Care Education, 5 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351201P-04 Foundations of Social and Health Care Education (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

Student is able to classify the general principles of Finnish social and healthcare education and the programmes of the Finnish National Board of Education. The student is able to differentiate the Finnish Education System (ISKED-classification), 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 written home assignments.

**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, reading of literature 77h, evaluating received information and writing assignments 58h.

**Target group:**

Health science students.

**Recommended or required reading:**

Materials/reports of Ministry of Education and Culture, Academy of Finland, Finnish legislation of higher education.

**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:**

University teacher/doctoral candidate

**351201P-03: Fundamentals of Research Methods in Health Sciences, 2 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351201P-03 Fundamentals of Research Methods in Health Sciences (OPEN UNI) 2.0 op

**ECTS Credits:**

2 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

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 research method at the beginners' stage. Student identifies the differences between qualitative and quantitative studies. Student recognizes the main principles of good scientific writing, and gains the ability in referencing.

**Contents:**

Evidence-based practice. Identification of a research problem. Literature review. The beginning stage of developing a theoretical context and choosing of a method. Qualitative and quantitative 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 40h, preparation for exam and exam 14h.

**Target group:**

Health science students.

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

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

**Grading:**

Pass/fail

**Person responsible:**

University lecturer/doctoral candidate

**351201P-02: Professional Philosophy and Ethics in Social and Health Care, 3 op****Opiskelumuoto:** Basic Studies**Laji:** Partial credit**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay351201P-02 Professional Philosophy and Ethics in Social and Health Care (OPEN UNI) 3.0 op

**ECTS Credits:**

3 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

The student is able to define the philosophy, ethics and fundamental values of social and 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 examine ethical decision making in the operational environment of social and health care.

**Contents:**

Ethical principles and professional ethics, examination of ethical questions from different perspectives and the effect of culture in social and health care.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Reading of literature 40h, evaluating the received information and writing of the assignment 41h.

**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 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 written assignment.

**Grading:**

Pass/fail

**Person responsible:**

Doctoral candidate

## **351202P: Preliminary Studies of Health Sciences: Foundations of Social and Health Care, 10 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351202P Preliminary Studies of Health Sciences: Foundations of Social and Health Care (OPEN UNI)  
10.0 op

**ECTS Credits:**

10 ECTS cr

**Timing:**

First year autumn term

**Learning outcomes:**

The student is able to define the philosophy, ethics and fundamental values of social and 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 examine ethical decision making in the operational environment of social and health care.

**Contents:**

Ethical principles and professional ethics, examination of ethical questions from different perspectives and the effect of culture in social and health care.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Reading of literature 40h, evaluating the received information and writing of the assignment 41h.

**Target group:**

Health science students without prior qualification in social and health care from an Institute of Nursing or University of Applied Sciences, or other universities, and/or Open University.

**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 scientific literature, Kangasniemi M., Vaismoradi M., Jasper M., Turunen H. 2013. Ethical issues in patient safety: Implications for nursing management. Nursing Ethics 1-13.

**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 written assignment.

**Grading:**

Pass/fail

**Person responsible:**

Doctoral candidate

*Compulsory*

**351202P-02: Foundations of Health Care Legislation, 5 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351202P-02 Foundations of Health Care Legislation (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

Student is able to classify the general foundations of Finnish social and health care legislation. Student receives preliminary knowledge in social and health care management.

**Contents:**

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

**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 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 written assignment

**Grading:**

Pass/fail

**Person responsible:**

University lecturer/doctoral candidate

**351202P-01: Social and Health Care Systems in Finland and Inter-professional Networking, 5 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351202P-01 Social and Health Care Systems in Finland and Inter-professional Networking  
(OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

Student is able to classify the general principles of the Finnish social and 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 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 programs. 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 and exam 81h 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.

**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.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer /doctoral candidate

**352114A: Bachelor Thesis and Written Maturity Test, 6 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**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 and/or empirical data according to the principles of scientific writing and research. Student is able to explain and discuss own research.

According to regulations of 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 conversance with 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 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, an opponent to other student 4h, reading and retrieving of the literature 100h, writing of thesis 138h, preparation for the test and maturity test 12h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Literature related to the topic of the Bachelor's 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

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352232A Health Administration Science (OPEN UNI) 10.0 op

**ECTS Credits:**

9 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

The students are able to analyze research relating to health management, its development and history so that they can formulate an essay based on their study. 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 111h.

**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

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

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

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

**ECTS Credits:**

3 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

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

**Contents:**

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

**Mode of delivery:**

Contact teaching.

**Learning activities and teaching methods:**

Lectures 10h, independent studying 51h, preparation for exam and exam 23h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Mirva Lohiniva-Kerkelä: Terveystieteiden juridiikka 2007 and HE 9072010 vp. Hallituksen esitys Eduskunnalle terveydenhuoltolaiksi sekä laeiksi kansanterveystalain ja erikoissairaanhoidon lain muuttamiseksi sekä sosiaali- ja terveydenhuollon asiakasmaksuista annetun lain muuttamiseksi (saatavilla eduskunnan palvelimelta [www.eduskunta.fi](http://www.eduskunta.fi) , tarkemmin [http://www.eduskunta.fi/triphome/bin/thw/?\\${APPL}=akirjat&\\${BASE}=akirjat&\\${THWIDS}=0.32/14111473212\\_44371&\\${TRIPPIFE}=PDF.pdf](http://www.eduskunta.fi/triphome/bin/thw/?${APPL}=akirjat&${BASE}=akirjat&${THWIDS}=0.32/14111473212_44371&${TRIPPIFE}=PDF.pdf) )

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:**

Written questioning, exam.

**Grading:**

1-5/fail

**Person responsible:**

Part-time teacher

### 352233A: Nursing Science, 10 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352233A Nursing Science (OPEN UNI) 10.0 op

**ECTS Credits:**

9 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

Upon completion of the course the student is able to define what science and scientific knowledge are and to describe the development, objects of research, approaches and types of research of nursing science. The student is able to discuss the future of nursing science. The student is able to analyse and evaluate nursing theories, and defines evidence based practice.

**Contents:**

Science, being scientific and nursing science. Nursing science and research. Development of nursing science, objectives of nursing science, approaching the object of research and types of research. Future of nursing science. Structure of theory, strategies of theory development, the process of theory development and evaluation. Evidence based practice.

**Mode of delivery:**

Multidimensional teaching methods.

**Learning activities and teaching methods:**

Contact teaching 40h, small group work supervised by teacher 10h, independent studying 75h and written assignment 98h.

**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. 2007 tai uudempi. Hoitotiede, Helsinki, WSOY.

Lauri S. & Kyngäs. H. 2005. Hoitotieteen teorian kehittäminen. WSOY.

McEwen M. & Wills EM. 2007. Theoretical basis for nursing. 2nd ed. Lippincott Williams& Wilkins. Pages 1-114, 224-272.

PhD dissertation which develops a theory or articles related to theory development.

Other relevant scientific literature.

**Assessment methods and criteria:**

Active participation in lectures and group work. Written assignment.

**Grading:**

1-5/ fail

**Person responsible:**

Professor/ university lecturer

### 352231A: Philosophical Foundations of Health Sciences, 4 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352231A Philosophical Foundations of Health Sciences (OPEN UNI) 4.0 op

**ECTS Credits:**

4 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

The student will be able to respond to philosophical questions of research relating to information, objectives of science, the nature of scientific thinking, and the foundations of the study of human sciences.

**Contents:**

Philosophical foundations of science and the basic concepts of research from the point of view of the philosophy of science. Positivist and hermeneutical approach. Phenomenology. Interests of knowledge. The foundations of scientific reasoning and of creating scientific concepts and theory.

**Mode of delivery:**

Contact teaching and group discussions.

**Learning activities and teaching methods:**

Lectures and group discussions 15h, independent studying and writing of an essay 27h, reading of literature 46h, preparation for exam and exam 20h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Lecture presentations and the following literature:

Raatikainen P. 2004 (tai uudempi painos). Ihmistieteet ja filosofia. Gaudeamus, Helsinki.

**Assessment methods and criteria:**

Active participation is required in contact teaching (80%) and group discussions (100%), independent studying, completion of given essay and taking part in an examination. This course unit utilizes continuous assessment.

**Grading:**

Pass/fail

**Person responsible:**

Part-time teacher

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

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

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

**Timing:**

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

**Timing:** spring term

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

**Timing:** autumn term

*Compulsory*

### **352252A-02: Methods of Statistical Analysis in Health Sciences II, 3,5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352252A-02 Methods of Statistical Analysis in Health Sciences II (OPEN UNI) 3.5 op

**ECTS Credits:**

3,5 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

The students know 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 the results of multivariable methods used in health science publications and recognize the issues involved in interpreting the results.

**Contents:**

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 16h, group exercise and home assignment 40h.

**Target group:**

Undergraduate health science students.

**Prerequisites and co-requisites:**

Student has to have completed the following parts of the course Knowledge Management and Research: 040012Y-05, 06, 07 and Methods of Statistical Analysis in Health Sciences: 352252A-01.

**Recommended or required reading:**

Lecture presentations and group work materials.

**Assessment methods and criteria:**

Final examination, accepted written assignments and participation in exercises.

**Grading:**

Pass/fail

**Person responsible:**

Associate Professor Pentti Nieminen

**352252A-01: Methods of Statistical Analysis in Health Sciences I, 3,5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3, 5 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

Upon the completion of the studies the students are able to plan the collection of the data, to transfer the data into a computer processable form and are able to use statistical software and analyze observational data. The students are able to apply the basic statistical methods in examining research problems in the field of health sciences. Additionally, the students are able to report research results and to recognize the issues important in interpreting the results.

**Contents:**

Basic concepts of statistics. From planning to practice. Data collection. Data preparation. Using statistical software. Estimation and statistical significance. Choosing the methods of analysis. Comparing groups. Repeated measures. Studying associations. Reliability. Reporting the results.

**Mode of delivery:**

Contact teaching and group exercise.

**Learning activities and teaching methods:**

Lectures 16h, group exercise and home assignment 40h.

**Target group:**

Undergraduate health science students.

**Prerequisites and co-requisites:**

Student has to have completed the following parts of the course Knowledge Management and Research: 040012Y-05, 06, 07.

**Recommended or required reading:**

Lecture presentations and group work materials.

**Assessment methods and criteria:**

Accepted written assignments and participation in exercises.

**Grading:**

Pass/fail

**Person responsible:**

Associate Professor Pentti Nieminen

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

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

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

**ECTS Credits:**

4 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

Student is able to choose relevant research methods for the subject of research, knows 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.

**Contents:**

Collecting qualitative research data and analyzing it, 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:**

Lectures and exercises 25h, e-learning 10h, independent studying and group work 73h.

**Target group:**

Undergraduate health science students.

**Prerequisites and co-requisites:**

Student has to have completed the following course: **351201P-03 Fundamentals of Research Methods in Health Sciences 2 ECTS cr**

**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

**353206S: Master Thesis, 30 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Diploma thesis

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

30 ECTS

**Timing:**

autumn and spring term

**Learning outcomes:**

The student is able to apply the information gained during their study and create a scientific study independently or as a member of a research project. The student is able to produce a thesis according to the criteria required of a scientific report or other assignment at an equivalent level.

**Contents:**

Scientific research completed independently or as a part of a research project. Producing a Master thesis. Drafting a Master thesis or another equivalent task.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Supervision, contact teaching and group work 20h, reading and retrieving of the literature/research data 521h, writing of thesis 269h. Individual and group work as agreed upon.

**Target group:**

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

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

Individual or peer work of one to two students. 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

*Compulsory*

**353206S-01: Research Plan for Master Thesis, 10 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**Timing:**

autumn term

**Contents:**

Producing a research plan for Master Thesis.

**353206S-02: Master Thesis, 30 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**Timing:**

spring term

**Contents:**

Producing a Master Thesis.

### **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

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

The student identifies current/relevant subjects of research in nursing science nationally and internationally, is able to search for scientific information and to discuss relevant questions of research projects and projects of professional development in nursing science.

**Contents:**

Current research questions in nursing science.

**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:**

Relevant scientific articles.

**Assessment methods and criteria:**

Active participation in lecturers and group work. Written assignment.

**Grading:**

1-5/fail

**Person responsible:**

Professor/university lecturer

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

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

### **353224S: Research Seminars, 10 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

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

**Opettajat:** Satu Elo

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS cr

**Timing:**

autumn and spring term

**Learning outcomes:**

Having completed the course the student is able to 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 produce a good research plan.

**Contents:**

Seminars and drafting a research plan.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Seminars and small group work 25h, independent studying 191h.

**Target group:**

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

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

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

**Grading:**

Pass/fail

**Person responsible:**

University lecturer/ Professor

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

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**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.

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

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**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;



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 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 (certain parts).

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

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

## 352121A: Course in Evaluation, 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS

**Language of instruction:**

Finnish

**Timing:**

autumn and spring term

**Learning outcomes:**

Having completed the course, the student is able to use evaluation methods as a fundamental part of planning, implementation and developing of teaching and also as a tool in supervising students. The student is able to use different teaching and learning evaluation methods and to execute the evaluation process.

**Contents:**

Evaluation as a phenomenon. Evaluation of curriculum, studying, learning and teaching. Self-evaluation and peer evaluation as a part of the evaluation of teaching.

**Mode of delivery:**

Multidimensional teaching methods.

**Learning activities and teaching methods:**

Interactive teaching 14h, independent study in e-learning environment 67h.

**Target group:**

Master Degree students in teacher education programme.

**Prerequisites and co-requisites:**

The required prerequisite is the completion of the following courses prior to enrolling for the course unit:

A250504 Education, Basic Studies 25 ECTS cr,

352208A Introduction to Didactics of the Nursing Science 5 ECTS cr,

35122A Educational Administration 3 ECTS cr,

352119A Planning the Content and Methods of Instruction 5 ECTS cr.

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. The student takes an active part in reading and in the workshop (80%). The student will be compiling a collaborative task, and this will be assessed using self-evaluation, peer evaluation and teacher's evaluation. The assessment matrix of the course unit is based on the learning outcomes of the course unit.

**Grading:**

1-5/fail

**Person responsible:**

University lecturer/university teacher.

**Working life cooperation:**

No

## 352122A: Educational Administration and Practical Teacher Training part I, 5 op

**Voimassaolo:** 01.08.2006 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Practical training

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

autumn term

**Learning outcomes:**

Having completed the course, the student is able to analyze organization, administrative system and operation of health care education. The student is able to analyze laws relating to health care education and to the work of a nursing teacher. Further, the student is able to recognize different PBL models and analyze PBL-learning.

**Contents:**

Organization and administrative system of health care education. Work of teacher of nursing. PBL learning.

**Mode of delivery:**

Contact teaching.

**Learning activities and teaching methods:**

PBL- working 81h.

**Target group:**

Master Degree students in teacher education programme.

**Prerequisites and co-requisites:**

The required prerequisite is the completion of the following courses prior to enrolling for the course unit:

A250504 Education, Basic Studies 25 ECTS cr,

352208A Introduction to Didactics of the Nursing Science 5 ECTS cr.

**Recommended optional programme components:**

The study unit is completed at the second course of Didactics in Nursing science.

**Recommended or required reading:**

Teaching materials used for the course include legislation regulating vocational and higher education in the field of health care, curricula in health care education, and relevant scientific literature.

**Assessment methods and criteria:**

Active participation in PBL-working is required (80%). The student's written assignment will be assessed using self-evaluation, peer evaluation and teacher's evaluation.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer/University teacher

**Working life cooperation:**

No

## 352207A: Evaluation in Healthcare Education, 3 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS

**Language of instruction:**

Finnish

**Timing:**

Second year autumn term

**Learning outcomes:**

Having completed the course, the student is able to use, analyze and interpret research relating to training, teaching and learning in healthcare. The student is able to make conclusions based on research in the field of healthcare. The student is able to make a teaching portfolio and evaluate one's personal teaching merits in the developing of one's principles of evaluation.

**Contents:**

The significance of healthcare training, teaching, learning and didactics. Teaching portfolio. The development of one's own teaching.

**Mode of delivery:**

Multidimensional teaching methods.

**Learning activities and teaching methods:**

Contact teaching 10h, cooperative learning 8h, independent studying and teaching portfolio 63h.

**Target group:**

Master Degree students in teacher education programme.

**Prerequisites and co-requisites:**

The required prerequisite is the completion of the following courses prior to enrolling for the course unit:

A250504 Education, Basic Studies 25 ECTS cr,

352208A Introduction to Didactics of the Nursing Science 5 ECTS cr,

35122A Educational Administration 3 ECTS cr,

352119A Planning the Content and Methods of Instruction 5 ECTS cr,

352121A Course in Evaluation 3 ECTS cr,

352124A Practical Teacher Training 16 ECTS cr.

**Recommended or required reading:**

Relevant literature and research.

**Assessment methods and criteria:**

The students will be take an active part (80 %) to study circles and to the seminars. The students will be compiling a written collaborative project, which will be assessed using self-evaluation, peer evaluation and teacher's evaluation. The creating of one's own teaching portfolio will be assessed. The assessment matrix of the course unit is based on the learning outcomes of the course unit. Grading: written collaborative project assignment (50%) and teaching portfolio (50%).

**Grading:**

1-5/fail

**Person responsible:**

University lecturer/University teacher

**Working life cooperation:**

No

## 352208A: Introduction to Didactics of Nursing Science, 5 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

Completed during BHSc Degree Programme, spring term

**Learning outcomes:**

Having completed the course, the students are able to analyze personal learning theory, to explain different learning strategies, processes and teaching methods and to identify key issues in teacher's ethics.

**Contents:**

The learning theories. The learning styles. The learning processes. Teaching strategies. The issues of teacher's ethics.

**Mode of delivery:**

Multidimensional teaching methods (contact teaching and e-learning environment).

**Learning activities and teaching methods:**

Interactive teaching 20 h, workshops 4 h, independent study 115 h. The independent study includes preparatory and independent study 8 h, collaborative work 24h and literature reading 83 h.

**Target group:**

Undergraduate health science students in the teacher education programme.

**Prerequisites and co-requisites:**

The required prerequisite is the completion of the following courses prior to enrolling for the course unit:

A250504 Education, Basic Studies 25 ECTS cr

**Recommended optional programme components:**

The study unit is completed at the first course of Didactics in nursing science.

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. Active participation is required in the workshop (80%). The students will be compiling a collaborative task, and this will be assessed using self-evaluation, peer evaluation and teacher's evaluation. The assessment matrix of the course unit is based on the learning outcomes of the course unit. In addition to this, the students will be analyzing their learning theory all through the course unit. In the end of course there is an oral group exam.

**Grading:**

1-5/fail

**Person responsible:**

University lecturer/University teacher

**Working life cooperation:**

No

## 352119A: Planning the Content and Methods of Instruction, 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Timing:**

autumn term

**Learning outcomes:**

Having completed the course, the students are able to use theories relating to curricula and analyze the planning of curricula in their own teaching. The students are able to plan a concept map relating to the content and methods of their teaching. The students are able to evaluate both their personal learning and that of other students critically, to give and receive feedback.

**Contents:**

Theories relating to the curriculum. The curriculum. Concept mapping. Online learning environment. Developing evaluation.

**Mode of delivery:**

Multidimensional teaching methods.

**Learning activities and teaching methods:**

Interactive teaching 11h and cooperative studying in e-learning environment 124h.

**Target group:**

Master Degree students in teacher education programme.

**Prerequisites and co-requisites:**

The required prerequisite is the completion of the following courses prior to enrolling for the course unit:

A250504 Education, Basic Studies 25 ECTS cr,

352208A Introduction to Didactics of the Nursing Science 5 ECTS cr,

35122A Educational Administration 3 ECTS cr.

**Recommended or required reading:**

Relevant scientific literature relating to the content of teaching in teacher training, concept mapping and the curriculum. Curriculum.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. The students will be compiling three versions of a concept map, and these will be assessed using self-evaluation, peer evaluation and teacher's evaluation all through the course unit. The assessment criteria are based on the learning outcomes of the course unit.

**Grading:**

Pass/fail.

**Person responsible:**

University lecturer/University teacher

**Working life cooperation:**

No

## 352124A: Practical Teacher Training, 16 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

16 ECTS

**Language of instruction:**

Finnish

**Timing:**

**Part I 5ECTS cr (352124A-01)**

**Timing:** autumn term

**Part II 8 ECTS cr (352124A-02)**

**Timing:** spring term

**Part III 3 ECTS cr (352124A-03)**

**Timing:** Second year autumn term

**Prerequisites and co-requisites:**

The required prerequisite is the completion of the following courses prior to enrolling for the course unit:

A250504 Education, Basic Studies 25 ECTS cr,

352208A Introduction to Didactics of the Nursing Science 5 ECTS cr.

**Other information:**

*Compulsory*

### 352124A-01: Practical Teacher Training: Part I, 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

autumn term

**Learning outcomes:**

Having completed the course, the student is able to report and plan teaching in educational institutions and in the environment of clinical nursing. The student is able to recognize the importance of a continuous follow-up of one's personal development.

**Contents:**

Curriculum. Reporting and planning of teaching in educational institutions and in the environment of clinical nursing. Personal learning diary and portfolio.

**Mode of delivery:**

The course will be conducted via contact learning and independent learning at work.

**Learning activities and teaching methods:**

Workshop 13 h, observation of teaching 10 h, the written assignments of teacher training 27h (teaching general plan), making of a portfolio 3h and familiarizing oneself with relevant literature and compiling a learning diary 82h.

**Target group:**

Master Degree students in teacher education programme.

**Recommended or required reading:**

Scientific literature relating to the subject which the student is going to teach. Scientific literature in educational sciences and in the didactics of nursing science.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. The students will compile a learning diary, create a portfolio and observe teaching in vocational or applied science units of education. The students will take an active part (80 %) in the workshop. In addition, they will plan teaching in the form of general plan, which will be assessed.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer / university teacher

**352124A-03: Practical Teacher Training: Part III, 3 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

autumn term

**Learning outcomes:**

Having completed the course, the student is able to plan, practice and evaluate teaching in the environment of clinical nursing. The student is able to analyze and produce learning material. The student is able to try out different educational methods and to apply scientific knowledge when teaching. The student is able to evaluate one's own teaching and that of others. The student is able to recognize the importance of a continuous follow-up of one's personal development.

**Contents:**

Curriculum. Reporting, planning and execution of teaching in the environment of clinical nursing. Self-evaluation and peer evaluation. Teaching materials and teaching methods. Personal learning diary and portfolio.

**Mode of delivery:**

The course will be conducted via contact learning and independent learning at work.

**Learning activities and teaching methods:**

Workshop 4h, planning of teaching 6 h and teaching practice 3h (2 teaching events), peer evaluation 2h, the written assignments of teacher training (theme plans, peer evaluation and final report) 15h, making of a portfolio 2h and familiarizing oneself with relevant literature and compiling a learning diary 49h.

**Target group:**

Master Degree students in teacher education programme.

**Recommended or required reading:**

Scientific literature relating to the subject which the student is going to teach. Scientific literature in educational sciences and in the didactics of nursing science.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. The students will compile a learning diary and create a portfolio. The students will take an active part (80 %) in the workshop. The students will teach in the environment of clinical nursing while using self-evaluation, peer evaluation and teacher's evaluation. The students will analyze their learning finally in the end of the course as a final evaluation report, which will be assessed.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer / university teacher

**352124A-02: Practical Teacher Training: Part II, 8 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

spring term

**Learning outcomes:**

Having completed the course, the student is able to plan, practice and evaluate teaching in educational institutions. The student is able to analyze and produce learning material. The student is able to try out different educational methods and to apply scientific knowledge when teaching. The student is able to evaluate one's own teaching and that of others. The student is able to recognize the importance of a continuous follow-up of one's personal development.

**Contents:**

Curriculum. Reporting, planning and execution of teaching in educational institutions. Self-evaluation and peer evaluation. Teaching materials and teaching methods. Personal learning diary and portfolio.

**Mode of delivery:**

The course will be conducted via contact learning and independent learning at work.

**Learning activities and teaching methods:**

Planning of teaching 30 h and teaching practice 15 h (10 teaching events), peer evaluation 10 h, the written assignments of teacher training 40h (theme plans, peer evaluation and final report), making of a portfolio 5 h and familiarizing oneself with relevant literature and compiling a learning diary 118 h.

**Target group:**

Master Degree students in teacher education programme.

**Recommended or required reading:**

Scientific literature relating to the subject which the student is going to teach. Scientific literature in educational sciences and in the didactics of nursing science.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. The students will compile a learning diary and create a portfolio. In addition, they will plan teaching in the form of theme plans, which will be assessed. Teaching practice will be assessed using self-evaluation, peer evaluation and teacher's evaluation. The assessment matrix of the course unit is based on the learning outcomes of the course unit. The students will analyze their learning all through the course unit in the report.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer / university teacher

**352124A-01: Practical Teacher Training: Part I, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

autumn term

**Learning outcomes:**

Having completed the course, the student is able to report and plan teaching in educational institutions and in the environment of clinical nursing. The student is able to recognize the importance of a continuous follow-up of one's personal development.

**Contents:**

Curriculum. Reporting and planning of teaching in educational institutions and in the environment of clinical nursing. Personal learning diary and portfolio.

**Mode of delivery:**

The course will be conducted via contact learning and independent learning at work.

**Learning activities and teaching methods:**

Workshop 13 h, observation of teaching 10 h, the written assignments of teacher training 27h (teaching general plan), making of a portfolio 3h and familiarizing oneself with relevant literature and compiling a learning diary 82h.

**Target group:**

Master Degree students in teacher education programme.

**Recommended or required reading:**

Scientific literature relating to the subject which the student is going to teach. Scientific literature in educational sciences and in the didactics of nursing science.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. The students will compile a learning diary, create a portfolio and observe teaching in vocational or applied science units of education. The students will take an active part (80 %) in the workshop. In addition, they will plan teaching in the form of general plan, which will be assessed.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer / university teacher

**352124A-02: Practical Teacher Training: Part II, 8 op**



**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

spring term

**Learning outcomes:**

Having completed the course, the student is able to plan, practice and evaluate teaching in educational institutions. The student is able to analyze and produce learning material. The student is able to try out different educational methods and to apply scientific knowledge when teaching. The student is able to evaluate one's own teaching and that of others. The student is able to recognize the importance of a continuous follow-up of one's personal development.

**Contents:**

Curriculum. Reporting, planning and execution of teaching in educational institutions. Self-evaluation and peer evaluation. Teaching materials and teaching methods. Personal learning diary and portfolio.

**Mode of delivery:**

The course will be conducted via contact learning and independent learning at work.

**Learning activities and teaching methods:**

Planning of teaching 30 h and teaching practice 15 h (10 teaching events), peer evaluation 10 h, the written assignments of teacher training 40h (theme plans, peer evaluation and final report), making of a portfolio 5 h and familiarizing oneself with relevant literature and compiling a learning diary 118 h.

**Target group:**

Master Degree students in teacher education programme.

**Recommended or required reading:**

Scientific literature relating to the subject which the student is going to teach. Scientific literature in educational sciences and in the didactics of nursing science.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. The students will compile a learning diary and create a portfolio. In addition, they will plan teaching in the form of theme plans, which will be assessed. Teaching practice will be assessed using self-evaluation, peer evaluation and teacher's evaluation. The assessment matrix of the course unit is based on the learning outcomes of the course unit. The students will analyze their learning all through the course unit in the report.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer / university teacher

### **352124A-03: Practical Teacher Training: Part III, 3 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

autumn term

**Learning outcomes:**

Having completed the course, the student is able to plan, practice and evaluate teaching in the environment of clinical nursing. The student is able to analyze and produce learning material. The student is able to try out different educational methods and to apply scientific knowledge when teaching. The student is able to evaluate one's own teaching and that of others. The student is able to recognize the importance of a continuous follow-up of one's personal development.

**Contents:**

Curriculum. Reporting, planning and execution of teaching in the environment of clinical nursing. Self-evaluation and peer evaluation. Teaching materials and teaching methods. Personal learning diary and portfolio.

**Mode of delivery:**

The course will be conducted via contact learning and independent learning at work.

**Learning activities and teaching methods:**

Workshop 4h, planning of teaching 6 h and teaching practice 3h (2 teaching events), peer evaluation 2h, the written assignments of teacher training (theme plans, peer evaluation and final report) 15h, making of a portfolio 2h and familiarizing oneself with relevant literature and compiling a learning diary 49h.

**Target group:**

Master Degree students in teacher education programme.

**Recommended or required reading:**

Scientific literature relating to the subject which the student is going to teach. Scientific literature in educational sciences and in the didactics of nursing science.

**Assessment methods and criteria:**

This course unit utilizes continuous assessment. The students will compile a learning diary and create a portfolio. The students will take an active part (80 %) in the workshop. The students will teach in the environment of clinical nursing while using self-evaluation, peer evaluation and teacher's evaluation. The students will analyze their learning finally in the end of the course as a final evaluation report, which will be assessed.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer / university teacher

## Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

### 352122A-01: Administration of health education organisations, 3 op

**Voimassaolo:** 01.08.2006 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

### 354203A: Advanced methodological studies, 8 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS credits

**Language of instruction:**

Finnish and English

**Timing:**

According to individual plan.

**Learning outcomes:**

After completion of the course, students are able to analyse their chosen research method and are able to apply it in their research project.

**Contents:**

Special methodological features of the research method chosen.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Reading literature on the research method. Working in small groups. Essay based on literature.

**Target group:**

Students in Research path-studies

**Prerequisites and co-requisites:**

Students has to be accepted as a student of Research path-studies in degree program in nursing science.

**Recommended optional programme components:**

In order to qualify for participation, students must have completed the following courses : Research course, Research methods I, Research Methods II, Bachelor thesis and Maturity essay.

**Recommended or required reading:**

Agreed individually for each student.

**Assessment methods and criteria:**

Written assignment.

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

**Grading:**

Pass / fail

**Person responsible:**

Professors / Doctoral candidate

**Working life cooperation:**

No

## 900007Y: Basics of Written Communication, 2 op

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

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

**Opettajat:** Outi Mikkola

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay900007Y Basics of Written Communication (OPEN UNI) 2.0 op

**Proficiency level:**

-

**Status:**

The course unit is compulsory for students in the degree programmes of Nursing Science, Health Administration Science and the Teacher Training Programme in Health Sciences.

**Required proficiency level:**

-

**ECTS Credits:**

2 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st semester

**Learning outcomes:**

Upon completion of the course the student should have an understanding of the basics of written communication and the ability to apply his/her knowledge to his/her writing. The student should be able to write scientific texts, professional texts and other formal writings. The student should understand the significance of writing and communication skills as a part of his/her professional expertise.

**Contents:**

Factors that influence the communication process. Writing process. Demands of the formal style. Structure and form of scientific text. The various types of work and study-related texts. Essential questions in language planning.

**Mode of delivery:**

online studying

**Learning activities and teaching methods:**

Introductory meeting (1 hour) and online studying (approximately 53 hours).

**Target group:**

The students in the degree programmes of Nursing Science, Health Administration Science and the Teacher Training Programme in Health Sciences.

**Prerequisites and co-requisites:**

-

**Recommended optional programme components:**

-

**Recommended or required reading:**

the material in the Optima learning environment

**Assessment methods and criteria:**

Participating the introductory meeting, independent studying and completion of the given assignments.

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

**Grading:**

pass / fail

**Person responsible:**

Outi Mikkola

**Working life cooperation:**

-

**Other information:**

-

### 352208A-01: Basics of didactics, 3 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**Assessment methods and criteria:**

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

### 350030Y: Basics of social and health care practice, 40 op

**Opiskelumuoto:** General Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**Assessment methods and criteria:**

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

### 352225A: Becoming a clinical nurse specialist, 2 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2 ECTS credits

**Language of instruction:**

Finnish

**Timing:**

The course is arranged during autumn term.

**Learning outcomes:**

After completion of the course, students are able to discuss the basis of clinical nursing science and the tasks of clinical nursing science specialist within social and health care organisations.

**Contents:**

Premises and special features of clinical nursing science. The significance and tasks of clinical nursing science specialist within social and health care organisation.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Seminar, group work.

**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:**

In order to qualify for participation, students must have passed the following courses: Basic Studies in Nursing Science (25 ECTS credits) and Nursing Science I.

**Recommended or required reading:**

Current literature.

**Assessment methods and criteria:**

Accepted completion of seminar and group work, written assignment.

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

**Grading:**

Pass / fail

**Person responsible:**

Lectures

**Working life cooperation:**

No

## 354200A: Becoming a researcher, 2 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2 ECTS credits

**Language of instruction:**

Finnish or English

**Timing:**

The course is arranged during autumn term.

**Learning outcomes:**

After completion of the course, students are able to discuss the areas of emphasis and strategies of scientific research at Oulu University, the Medical Faculty and the Department of Health Sciences. They are also able to describe the phases of PhD thesis work and research as a career.

**Contents:**

Research and its strategic planning, main characteristics of research as a career, the aims and process of PhD thesis work.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Seminar and group work.

**Target group:**

Students of the Research path-studies

**Prerequisites and co-requisites:**

Student need to accepted to the research path-studies

**Recommended or required reading:**

Research strategies of the University, the Faculty and the Department of Health Sciences, and descriptions of nursing science research projects.

**Assessment methods and criteria:**

Acceptably completed seminar and group work.

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

**Grading:**

Pass / fail

**Person responsible:**

Professors / Doctoral candidate

**Working life cooperation:**

No

### 352122A-02: Educational administration, 2 op

**Voimassaolo:** 01.08.2006 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

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

**Voimassaolo:** 01.08.2010 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3-10 credits

**Language of instruction:**

Finnish or English

**Timing:**

According to a personal study plan.

**Learning outcomes:**

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

**Contents:**

According to a personal study plan.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Student plans an individual learning task with the responsible teacher.

**Target group:**

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

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

No

**Assessment methods and criteria:**

According to a personal study plan.

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

**Grading:**

pass-fail

**Person responsible:**

Responsible person of the [research project](#).

**Working life cooperation:**

No

**Other information:**

The course suits for bachelor's and master's degree studies as elective studies.

## 351145P: Evaluation and development of the health care work unit, 6 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

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

**Opettajat:** Marjo Suhonen

**Opintokohteen oppimateriaali:**

Paasivaara Leena, Suhonen Marjo, Virtanen Petri, , 2011

Paasivaara Leena, Suhonen Marjo, Nikkilä Juhani, , 2008

Virtanen, Petri , , 2007

Aro, Antti, , 2007

Ruuska, Kai , , 2006

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351145P Evaluation and development of the health care work unit (OPEN UNI) 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year spring term

**Learning outcomes:**

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

**Contents:**

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

**Learning activities and teaching methods:**

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

**Assessment methods and criteria:**

Lectures, participating seminars, projectplanwork.

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

**Grading:**

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

**Person responsible:**

Lecturer of Health management science

## 350006Y: Informatics of health sciences, 4 op

**Opiskelumuoto:** General Studies

**Laji:** Course

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

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

**Language of instruction:**

Finnish

**Timing:**

Part I: First year autumn term

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

**Learning outcomes:**

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

- use information and communications technology resources in the University of Oulu,
- use workstations available in the Medical Faculty,

- apply basic software necessary in her/his studies,
- search research articles using basic literature retrieval methods,
- use bibliographic databases available in the Medical Faculty

**Contents:**

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

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

**Mode of delivery:**

Part I: Blended teaching

Part II: Face-to-face teaching, 100% attendance is required.

**Learning activities and teaching methods:**

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

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

**Target group:**

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

**Prerequisites and co-requisites:**

None

**Recommended optional programme components:**

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

**Recommended or required reading:**

List given during the course.

**Assessment methods and criteria:**

Written essay, participation in workgroups.

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

**Grading:**

Pass / failed

**Working life cooperation:**

No

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

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

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

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

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

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

**352208A-02: Introduction of nursing science, 3 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit



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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS credits

**Language of instruction:**

Finnish

**Timing:**

The course is arranged during autumn term.

**Learning outcomes:**

After completion of the course, students are able to describe the basic concepts of learning and teaching, views on learning and special features related to the learning process.

**Contents:**

Basic concepts of learning and teaching, views on learning and special features of the learning process.

**Learning activities and teaching methods:**

Independent work.

**Recommended or required reading:**

Current literature.

**Assessment methods and criteria:**

Written examination.

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

**Grading:**

Pass / fail

**Person responsible:**

University lecturer.

### 351138P: Legal aspects of health care, 4 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

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

**Opettajat:** Mirva Lohiniva-Kerkelä

**Opintokohteen oppimateriaali:**

Mikkola, , 2004

Lohiniva-Kerkelä, Mirva, , 2007

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351138P Legal aspects of health care (OPEN UNI) 4.0 op

**ECTS Credits:**

4 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year spring term

**Learning outcomes:**

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

**Contents:**

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

**Learning activities and teaching methods:**

Lectures 10 hours

**Recommended or required reading:**

1. Lohiniva-Kerkelä, M: Terveystieteiden juridiikka. Talentum, Helsinki 2007.

Mikkola - Mikkonen - Suhonen - Kallio: Potilasvahinko: Lain sisältö ja soveltamiskäytäntö. Suomen vakuutusalan

koulutus ja kustannus, Helsinki 2004.

2. Seuraavat säädökset niihin myöhemmin tehtyine muutoksineen:

Laki terveydenhuollon ammattihenkilöistä (564/1994)

Laki potilaan asemasta ja oikeuksista (785/1992)

Potilasvahinkolaki (585/1986)

Terveydenhuoltolaki (1326/2010)

Kansanterveyslaki (66/1972)

Erikoissairaanhoidolaki (1062/1989)

Mielenterveyslaki (1116/1990)

Laki yksityisestä terveydenhuollosta (152/1990)

**Assessment methods and criteria:**

Exam

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

**Grading:**

1-5/ Failed

**Person responsible:**

Lecturer

### 353207S-02: Master's thesis, 30 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Diploma thesis

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

30 ECTS

**Language of instruction:**

Finnish

**Timing:**

Second year autumn and spring terms

**Learning outcomes:**

The student is able to apply the information gained during their study and create a scientific study independently or as a member of a research project. The student is able to produce a thesis according to the criteria required of a scientific report or other assignment at an equivalent level.

**Contents:**

Scientific research completed independently or as a part of a research project. Producing a Master thesis. Drafting a Master thesis or another equivalent task.

**Mode of delivery:**

Multidimensional teaching

**Learning activities and teaching methods:**

Distance and contact learning, individual and group work as agreed upon.

**Target group:**

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

**Recommended optional programme components:**

Research methods (basic), Research methods I, Bachelor's thesis and Research methods II.

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

Individual or peer work of one to two students. 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

## 351101P: Nursing science I, 5 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

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

**Opettajat:** Isola Arja

**Opintokohteen oppimateriaali:**

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay351101P Nursing science I (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year autumn term

**Learning outcomes:**

Learning outcomes: After the course the student

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

**Contents:**

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

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures 25 hrs, active participation in group working 12 hrs and writing an essay independently 98 hrs.

**Target group:**

Students of Degree programme in Nursing Science

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

Is a part of basic studies in Nursing science

**Recommended or required reading:**

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

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

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

**Assessment methods and criteria:**

Lectures, active participation in group working and writing an independent essay.

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

**Grading:**

1-5 / fail

**Person responsible:**

Professor in nursing science

**Working life cooperation:**

No

## 350003Y: Philosophical foundations for scientific research, 5 op

**Opiskelumuoto:** General Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

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

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year autumn

**Learning outcomes:**

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

**Contents:**

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

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Lectures 20 hour and literature.

**Target group:**

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

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

No

**Recommended or required reading:**

Lectures and following items:

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

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

**Assessment methods and criteria:**

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

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

**Grading:**

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

**Person responsible:**

Lecturer

**Working life cooperation:**

No

## 352226A: Practical training in clinical nursing science, 15 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Practical training

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

15 ECTS credits.

**Language of instruction:**

Finnish

**Timing:**

According to individual plan.

**Learning outcomes:**

After having completed the course, students have acquired expertise based on research-oriented clinical nursing science, emphasising students' readiness to plan the development of operation of social and health care units and draw conclusions from it.

**Contents:**

Practical training is implemented in social and health care organisations in accordance with an individual plan.

**Mode of delivery:**

Independent field placement

**Learning activities and teaching methods:**

Drawing up an individual training plan in collaboration with the organisation where training takes place, its implementation and assessment. Practical training can also be done while on international student exchange. Drawing up an academic portfolio. Working in small groups.

**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:**

In order to qualify for participation, students must have completed the following courses: Basic Studies in Nursing Science (25 ECTS credits), Nursing Science I and Research Methods I, and Becoming a Clinical Nurse Specialist.

**Recommended or required reading:**

Current scientific articles. Current legislation on social and health care and strategic documents.

**Assessment methods and criteria:**

Acceptably completed group work, training plan, practical training, final report and academic portfolio. Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / fail

**Person responsible:**

Lectures

**Working life cooperation:**

Yes

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

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits

**Language of instruction:**

Finnish and English

**Timing:**

The course is arranged during autumn term.

**Learning outcomes:**

After having completed the course, students are able to discuss key ethical issues related to health science research, recognise the norms of ethically sound research and are able to assess implementation of research from the point of view of research ethics.

**Contents:**

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

**Mode of delivery:**

Distance teaching

**Learning activities and teaching methods:**

Starting session, reading the literature and independent written essay.

**Target group:**

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

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

No

**Recommended or required reading:**

One of the books listed below:

1. Etiikkaa ihmistieteille. 2006. Hallamaa, J. et al. (ed.) Suomalaisen Kirjallisuuden Seura, Tutkimuseettisen neuvottelukunnan julkaisuja, Hakapaino Oy, Helsinki. OR
2. The Handbook of Social Research Ethics. 2009. Mertens D.M. & Ginsberg, P.E. (eds.) Sage Publications, Ltd., California, USA. (as applicable).

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

as well as current scientific articles in the area chosen by the student for the written assignment.

**Assessment methods and criteria:**

Participation in starting session, independent work and accepted completion of written assignment.

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

**Grading:**

Pass / fail

**Person responsible:**

Doctoral candidate / Lecturer

**Working life cooperation:**

No

**Other information:**

The course of study is suited as part of free-choice studies for the degree of Bachelor and Master of Health Sciences.

### 351008P: Research methods (basic), 2 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

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

**ECTS Credits:**

2 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year autumn term

**Learning outcomes:**

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

**Contents:**

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

**Mode of delivery:**

Distance teaching

**Learning activities and teaching methods:**

Independent studying

**Target group:**

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

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

Part of the research studies

**Recommended or required reading:**

Polit DF & Beck CT. 2011. Nursing Research. Generating and assessing evidence for nursing practice. Lippincott Williams & Wilkins, Philadelphia.

Part I, chapter 1,2,3; Part II chapter 4,5,6,7,8

Part III, chapter 9,10

Part IV, chapter 20,24

Part V, chapter 25

Part VI chapter 27

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

**Assessment methods and criteria:**

Literature examination.

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

**Grading:**

1-5 / fail

**Person responsible:**

Doctoral candidate

**Working life cooperation:**

No

**Other information:**

The course is substituted to those students who have accomplished the degree in social and health care at the university of applied sciences.

## 352107A: Research methods I, 6 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen oppimateriaali:**

**Polit, Denise F.** , , 2004, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352107A Research methods I (OPEN UNI) 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish / English

**Timing:**

1st year spring term

**Learning outcomes:**

Learning outcomes:

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

Upon completion the student:

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

**Contents:**

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

Students of the International Master's Degree Programme in Health and Wellbeing in the Circumpolar Area (MCH): course consists of on-line supported independent studies. Detailed course description will be given by the responsible teacher.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

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

Students of the International Master's Degree Programme in Health and Wellbeing in the Circumpolar Area (MCH): course consists of on-line supported independent studies.

**Target group:**

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

**Prerequisites and co-requisites:**

Please see the recommended optional programme components.

**Recommended optional programme components:**

Research methods (basic).

**Recommended or required reading:**

Polit DF & Beck CT. 2011. Nursing Research. Generating and assessing evidence for nursing practice. Lippincott Williams & Wilkins, Philadelphia.

Topical scientific articles.

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

**Assessment methods and criteria:**

Participation in exercises, working groups and exam.

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

Students of the International Master's Degree Programme in Health and Wellbeing in the Circumpolar Area (MCH): Accepted research proposal for a Master's thesis. Grading: pass/fail.

**Grading:**

1-5 / fail

**Person responsible:**

Senior lecturers.

Master's Degree Programme in Health and Wellbeing in the Circumpolar Area (MCH): postdoctoral researcher Sanna-Mari Ahonen.

**Working life cooperation:**

No

**353207S-01: Research seminars, 8 op**

**Opiskelumuoto:** Advanced Module

**Laji:** Partial credit

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**Timing:**

Second year autumn and spring terms

**Learning outcomes:**

Having completed the course the student is able to 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 produce a good research plan.

**Contents:**

Seminars and drafting a research plan

**Mode of delivery:**

Multidimensional teaching

**Learning activities and teaching methods:**

Student supervision 20h, independent studying, and small group work in e-learning environment.

**Target group:**

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

**Recommended optional programme components:**

Research methods (basic), Research methods I, Bachelor's thesis and Research methods II.

**Recommended or required reading:**

Relevant scientific literature

**Assessment methods and criteria:**

Drafting of an accepted research plan. Participation in occasions of a public defense for a doctoral thesis and the writing of a report. Group work during seminar days, small group work in e-learning environment.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer/ Professor

**Working life cooperation:**



No

**353207S: Research seminars and Master's thesis, 38 op****Opiskelumuoto:** Advanced Studies**Laji:** Course**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**354204A: Research training, 15 op****Opiskelumuoto:** Intermediate Studies**Laji:** Course**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

15 ECTS credits

**Language of instruction:**

Finnish and English

**Timing:**

According to individual plan.

**Learning outcomes:**

After completion of the course, students are able to plan their own research projects in the area of their choice and draw conclusions from it.

**Contents:**

Training is implemented according to an individual plan within a research project. Individual task related to research project theme and methods.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Drawing up an individual training plan in collaboration with instructor, its implementation and assessment. Practical training can also be done during international student exchange. Drawing up an academic portfolio. Working in small groups.

**Target group:**

Students of the Research path studies

**Prerequisites and co-requisites:**

Student need to be accepted for Research path studies

**Recommended optional programme components:**

In order to qualify for participation, students must have completed the following courses: Research course and Research Methods I.

**Recommended or required reading:**

Agreed individually for each student.

**Assessment methods and criteria:**

Completion of group work, training plan, practical training, final report and academic portfolio. Read more about [assessment criteria](#) at the University of Oulu webpage.

**Person responsible:**

Professors / Doctoral candidate

**Working life cooperation:**

No

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

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Opintokohteen kielet:** Swedish

**Leikkaavuudet:**

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

Ei opintojaksokuvauksia.

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

**Voimassaolo:** 01.08.1995 -

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Opintokohteen kielet:** Swedish

**Leikkaavuudet:**

ay901007Y-01 Second Official Language (Swedish), Written Skills (OPEN UNI) 1.0 op

Ei opintojaksokuvauksia.

### **350007Y: Statistical computing, 5 op**

**Opiskelumuoto:** General Studies

**Laji:** Course

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

**Opettajat:** Pentti Nieminen

**Opintokohteen oppimateriaali:**

**Uhari, Matti** , , 2001, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay350007Y Applied statistics and ADP (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Timing:**

1st year spring term

**Learning outcomes:**

Learning outcomes: The student can design data collection, she/he can enter the data to computer and can use statistical software to analyze the data. The student is able to report results and can critically read research articles

**Contents:**

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

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

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

**Target group:**

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

**Prerequisites and co-requisites:**

Participation prerequisites completion of the course 350005Y Statistics.

**Recommended optional programme components:**

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

**Recommended or required reading:**

Uhari M & Nieminen P. 2001. Epidemiologia ja biostatiikka. Duodecim.

**Assessment methods and criteria:**

Exam, written report about data analysis and participation in workgroups.

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

**Grading:**

Pass / Failed

**Person responsible:**

Pentti Nieminen, Ph.D., Faculty of Medicine

**Working life cooperation:**

No

**350005Y: Statistics, 6 op**

**Opiskelumuoto:** General Studies

**Laji:** Course

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

**Opettajat:** Maria Laukkala

**Opintokohteen oppimateriaali:**

**Heikkilä, Tarja** , , 2004, pakollinen

**Helenius, Hans** , , 1989, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay350005Y Statistics (OPEN UNI) 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Timing:**

First year autumn term

**Learning outcomes:**

Learning outcomes: Student is able to get numeric observational data and plan quantitative research process. Student is able to describe things which are examined by tables, figures and parameters. Student is able to use the principles of distributions and test theories and statistic reasoning methods and models in quantitative data.

**Contents:**

The basic concept of statistic. Sampling methods. Observation matrix and scale. one-dimensional distribution and its parameters. Two-dimensional distribution and its interdependence numbers. Random variable and its distribution. Discrete variable and continuous probably variable. Statistical reasoning. Estimating, significant testing.

**Mode of delivery:**

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

**Learning activities and teaching methods:**

Lectures 40 hours. Individual and group work 50 hours.

**Target group:**

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

**Prerequisites and co-requisites:**

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

**Recommended optional programme components:**

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

**Recommended or required reading:**

Karjalainen, A. & Laukkala, H. Luentomoniste 2008. Tilastollisen tutkimuksen perusteista.

Heikkilä, T. 1998. Tilastollinen tutkimus. Edita.

Helenius, H. 1989. Tilastollisten menetelmien perustiedot. Statcon Oy.

Läärä, E. & Lammi. 1989. Tilastotieteen perusteet lääketiedettä ja lähialoja varten. Luentomoniste. Kuopion yliopiston ylioppilaskunta.

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

**Assessment methods and criteria:**

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

**Grading:**

Pass / Fail

**Working life cooperation:**

Not included.

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

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**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.

**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.

**354201A: Theoretical and methodological basis for research area, 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits

**Language of instruction:**

Finnish and English

**Timing:**

According to individual plan.

**Learning outcomes:**

After having completed the course students are able to discuss the topic of the research project and are able to apply the research methods they have chosen.

**Contents:**

Theme of research project and the research methods use.

**Mode of delivery:**

Contact and distance teaching

**Learning activities and teaching methods:**

Reading literature on the research area and research methods. Working in small groups. Essay based on literature.

**Target group:**

Students of the Research Path-studies

**Prerequisites and co-requisites:**

Student need to be accepted to the Research Path-studies

**Recommended or required reading:**

Assigned reading.

**Assessment methods and criteria:**

Acceptable completion of group work and essay.

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

Pass / fail

**Person responsible:**

Profesors / Doctoral candidate

**Working life cooperation:**

No

**350031P: Theoretical basis of social and health care, 23 op****Opiskelumuoto:** Basic Studies**Laji:** Course**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay350031P Theoretical basis of social and health care (OPEN UNI) 23.0 op

**Assessment methods and criteria:**Read more about [assessment criteria](#) at the University of Oulu webpage.**352221A: Theory development and evaluation, 3 - 5 op****Voimassaolo:** 01.08.1990 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Kyngäs, Helvi Aulikki**Opintokohteen oppimateriaali:****Lauri, Sirkka** , , 2005, pakollinen**McEwen, M. & Wills, E.M.** , 2002, pakollinen**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay352221A Theory development and evaluation (OPEN UNI) 3.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Timing:**

2nd year autumn term.

**Learning outcomes:**

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

**Contents:**

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

**Mode of delivery:**

Contact and distance teaching

**Learning activities and teaching methods:**

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

**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:**

Part of the main studies of the nursing science

**Recommended or required reading:**

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

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

**Assessment methods and criteria:**

Contact teaching 15 hours. Cooperative and independent studying.

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

**Grading:**

5-1/ Fail

**Person responsible:**

Professor in nursing science.

**Working life cooperation:**

No