

# Opasraportti

## LTK - Health Management Science (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:</p> <p>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:</p> <p>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:</p> <p>Guidance for Study and Working Experience 2 ECTS cr</p> <p>350041Y-02 Expertise in Health Sciences and Professional Connections II:</p> <p>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:</p> <p>Guidance for Study 1 ECTS cr</p> <p>350041Y-02 Expertise in Health Sciences and Professional Connections II:</p> <p>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>-</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:</p> <p>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

### Health Management Science

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

Having attained the degree of Master of Health Sciences in addition to Bachelor of Health Sciences, students are able:

to acquire and evaluate current information critically and use it independently and innovatively from the viewpoint of multiprofessional management and in relation to advanced studies;

to conduct scientific research with scientific research methods and engage in postgraduate studies in health administration science;

to participate in research, expert tasks, management and development in health care;

to communicate orally and in writing in a clear and analytical manner;

to evaluate the activities and knowledge of the people acting in the operating environment and to increase their knowledge and preparedness.

## **Structure of the Degree Programme Master of Health Sciences (MHS) in Health Management Science, 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, Minor Subject and Optional Studies.

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

##### ***Health Sciences 53 ECTS cr***

353217S Multiprofessional Management 5 ECTS cr

353208S Reflection and Application in Management 10 ECTS cr

353204S Research Seminars and Synthesis in Health Administration Science 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 and Optional Studies 57 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. 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.

Minor subject and optional studies towards the Degree of Master of Health Sciences must include at least one study module comprising 25 ECTS.

#### **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 (Master's Degree).

#### Studies per Semester:

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	
1 <sup>st</sup> year/ autumn term	-	15 ECTS cr	17 ECTS cr	32 ECTS cr
1 <sup>st</sup> year/ spring term	10 ECTS cr	5 ECTS cr	15 ECTS cr	30 ECTS cr
2 <sup>nd</sup> year/ autumn term	24 ECTS cr	5 ECTS cr	-	29 ECTS cr
2 <sup>nd</sup> year/ spring term	29 ECTS cr	-	-	29 ECTS cr
Total ECTS cr		25 ECTS cr	32 ECTS cr	120 ECTS cr

63 ECTS cr			
Master Degree total 120 ECTS cr			

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

***Minor Subject 15 ECTS cr***

***Optional Studies 17 ECTS cr***

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

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

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

***Minor Subject 5 ECTS cr***

***Optional Studies 15 ECTS cr***

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

***Health Sciences:***

353217S Multiprofessional Management 5 ECTS cr

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

353204S Research Seminars and Synthesis in Health Administration Science, Part I 4 ECTS cr#

353206S Master thesis:

353206S-01 Research Plan 10 ECTS cr#

***Minor Studies 5 ECTS cr***

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

***Health Sciences:***

353208S Reflection and Application in Management, Part II 5 ECTS cr

353204S Research Seminars and synthesis in Health Administration Science, Part II 4 ECTS cr#

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

353205S Maturity test (applicable to students who did not pass Bachelor thesis maturity test)

#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

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

350041Y: Expertise in Health Sciences and Professional Connections, 2 - 6 op

#### *Compulsory*

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

350041Y-01: Development in Expertise in Health Sciences, 1,5 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, 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-01: Methods of Statistical Analysis in Health Sciences I, 3,5 op  
 352252A-02: Methods of Statistical Analysis in Health Sciences II, 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.

## **Degree Programme in Health Management Science, MHSc**

Tutkintorakenteen tila: archived

Lukuvuosi: 2014-15

Lukuvuoden alkamispäivämäärä: 01.08.2014

## **Advanced Studies in Health Management Science (vähintään 53 op)**

Health Sciences

353206S: Master Thesis, 30 op  
*Compulsory*  
 353206S-01: Research Plan for Master Thesis, 10 op  
 353206S-02: Master Thesis, 30 op  
 353217S: Multiprofessional Management, 10 op  
 353208S: Reflection and Application in Management, 5 op  
 353204S: Research Seminars and Synthesis in Health Administration Science part I, 5 - 8 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

## Minor Subject (vähintään 25 op)

Minor subject towards the Degree of Master of Health Sciences must include at least one study module comprising 25 ECTS credits, completed in the University of Oulu or other universities.

## 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 is given in credit towards Master's degree studies in optional studies for an applicable higher academic degree (Master's Degree).

# Opintojaksojen kuvaukset

## Tutkintorakenteisiin kuuluvien opintokohteiden kuvaukset

### 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

**350041Y: Expertise in Health Sciences and Professional Connections, 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

**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.lkv (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:**

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### **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:**

**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, 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: Terveydenhuollon juridiikka 2007 and HE 9072010 vp. Hallituksen esitys Eduskunnalle terveydenhuoltolaiksi sekä laeiksi kansanterveystlain ja erikoissairaanhoidolain 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}=0.32/1411473212\\_44371&\\${TRIPPIFE}=PDF.pdf](http://www.eduskunta.fi/triphome/bin/thw/?${APPL}=akirjat&${BASE}=akirjat&${THWIDS}=0.32/1411473212_44371&${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-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

**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

**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.

**353217S: Multiprofessional Management, 10 op****Opiskelumuoto:** Advanced Studies**Laji:** Course**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

5 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

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

**Contents:**

Theories and basic concepts in health management.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Lectures 10 hours and independent studying 57h, ArgueGraph group 10 h and independent/ group studying 58h.

**Target group:**

Master Degree students in health management science.

**Recommended or required reading:**

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

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

Relevant scientific literature.

**Assessment methods and criteria:**

Independent and cooperative study, practical assignment. Total grade formed 50% of group work and 50% of individual work.

**Grading:**

1-5 / fail

**Person responsible:**

Professor/ university lecturer/ doctoral candidate

**353208S: Reflection and Application in Management, 5 op****Opiskelumuoto:** Advanced Studies**Laji:** Course**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Hanna Tiirinki**Opintokohteen kielet:** Finnish**ECTS Credits:**

10 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

autumn and spring term

**Learning outcomes:**

The student is able to reflect on their own competence in the area of social and healthcare administration. The student shows one's development and competence to apply knowledge in the management of social and health care and/or research and development in social and healthcare with a portfolio.

**Contents:**

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

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Practical training for seven weeks and independent studying 270h.

**Target group:**

Master Degree students in health management science.

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

Individual practical training and producing a portfolio.

**Grading:**

Pass/Fail

**Person responsible:**

Doctoral candidate

## **353204S: Research Seminars and Synthesis in Health Administration Science part I, 5 - 8 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**Timing:**

autumn and spring term

**Learning outcomes:**

The student is able to produce a research plan. Students are able to evaluate the research process and its phases critically. In a limited area of health care students are able to generate understanding of the area by utilizing the main questions in health administration science. Students are able to comment and reflect on the nature of health administration science as well as apply scientific knowledge to practice of health administration. Students are able to apply information of health administration science in practice and in writing.

**Contents:**

Knowledge of Health management science in health care practices, education and management. Drafting a research proposal.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Contact teaching 20h, group work 20h and independent studying 176h.

**Target group:**

Master Degree students in health management science.

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

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

**Grading:**

Pass/fail

**Person responsible:**

Professor/ university lecturer

### **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